

# Forgery and online fraud

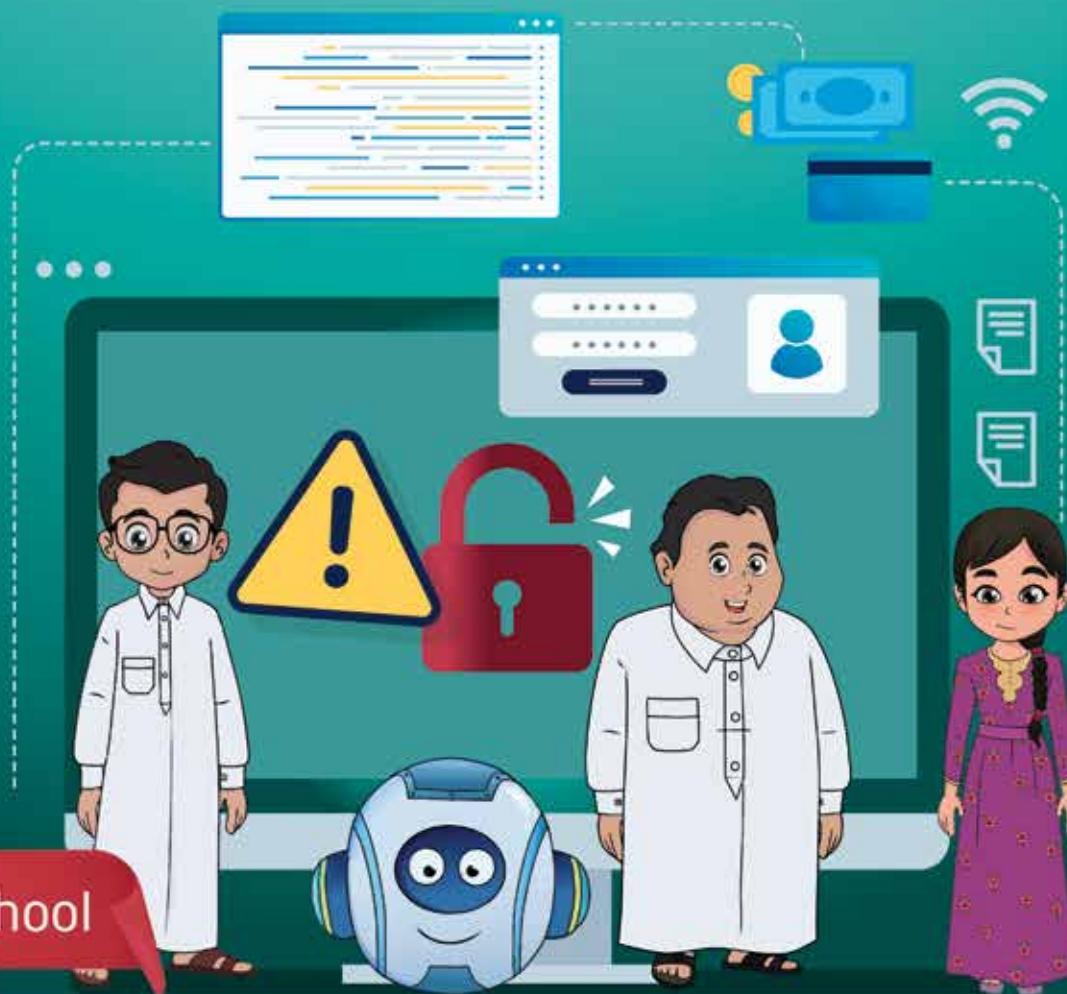
Student exercises and trainings

Training Kit



**CyberEco**

دعاً لدعم السلامة الرقمية  
Together to support digital safety



Middle School



الوكالة الوطنية للأمن السيبراني  
National Cyber Security Agency



## **Forgery and online fraud**

**Student exercises and trainings**

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This content is produced by the team of  
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# Dear Student,

This booklet is specifically for you, and you must have it with you when you attend training sessions. Your trainer will guide you on how to use it. This booklet contains a collection of fun and useful exercises, which you will answer either during class or at home. The booklet also contains a set of educational competitions and cards, as well as general information in which you will find useful and enjoyable. Your trainer will guide you on how to deal with these competitions, and at the beginning of each exercise or competition, we will provide you with general instructions on how to answer.



## Dear Student's Parents,

This booklet is specifically for the student and will accompany them during the training they will receive at school. It contains a collection of exercises, training activities, competitions, training games, and training cards, all of which revolve around concepts related to online forgery and fraud and how to face it.

The purpose of this booklet and its included mental exercises and activities is to reinforce and solidify the information that the student receives during the training session with the primary goal of enhancing the student's ability to use the internet and technology effectively and safely. It also aims to protect them from the risks of online forgery and fraud.

All the exercises and training in the booklet will be accompanied by general instructions on how to answer them. As for the training competitions, the trainer will provide guidance on how to solve them. The booklet also includes some non-classroom exercises, which the student will answer at home. These exercises will also be accompanied by trainer for the solving.

We kindly request your indirect supervision as the student interacts with this booklet. If the student has any question or inquiry about any of the exercises or training activities, please read the specific instructions for each exercise and provide assistance to student in light of these instructions.

# pay attention!

## Online fraud

A type of deception and tricks carried out over the internet, often occurring in chat rooms, via e-mail, on forums or websites (the web). The goal of these crimes is to defraud customers and users by stealing money, important personal information, and other purposes.



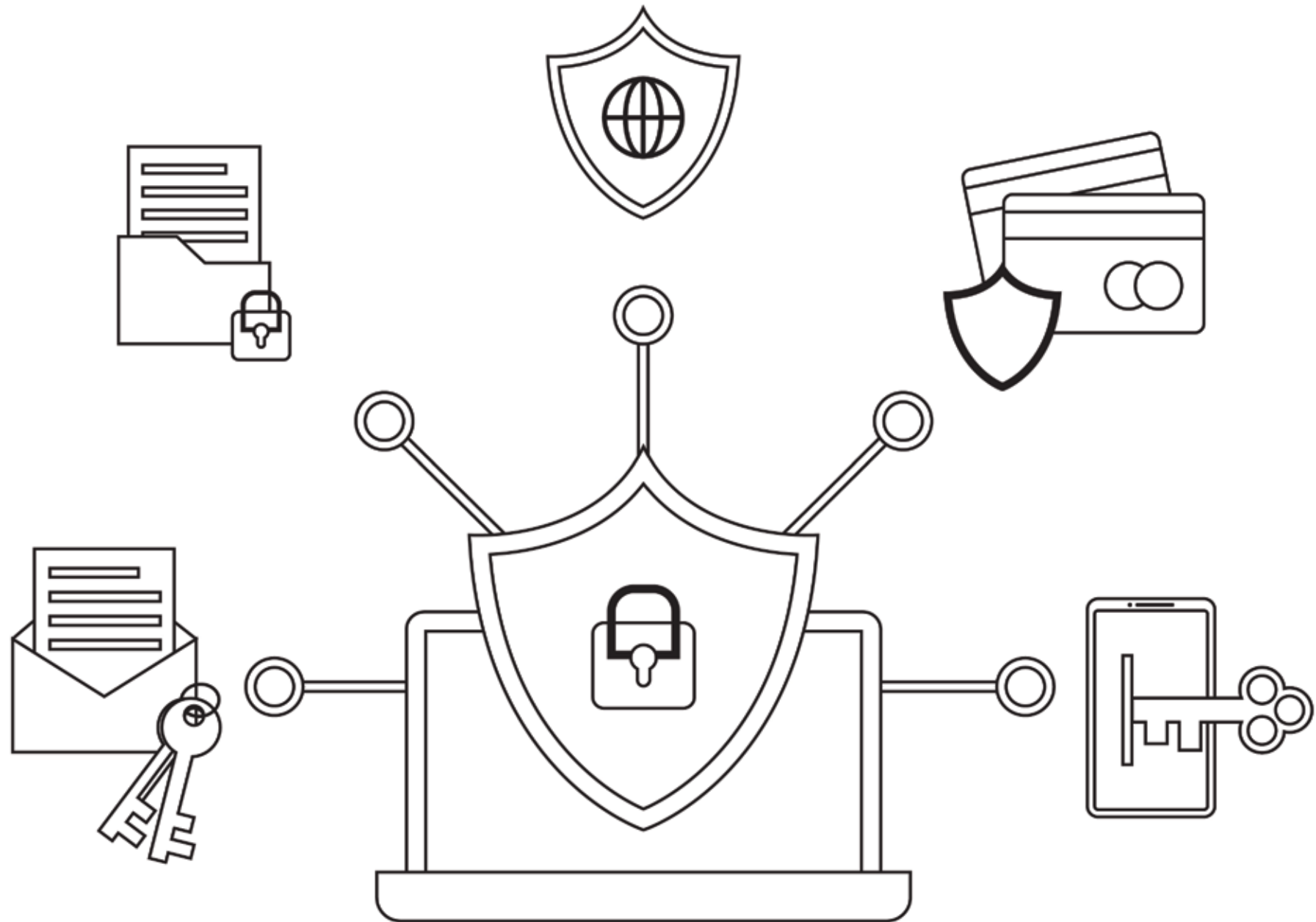




## **Do you know that...?**

The majority of prizes and gifts received online for no reason are the beginning of an online fraud process.







## Exercise 1

Write the word "True" next to the correct statement,  
and the word "False" next to the incorrect statement:

### Instruction

Read the sentences below carefully, then determine whether the sentence is true or false. An example provided below.

1

Online fraud is a deliberate manipulation of information and data on the computer.

True

2

Online fraud is the authorized access in order to obtain information and data on the computer.

3

Unauthorized access to devices or systems to gain illegal profit or cause harm is a type of online fraud.

4

Modern technology assists online fraud perpetrators in committing crimes only on a local scale.



5

Online fraud is the use of authorized systems and devices to deceive others.



6

Information fraud involves cheating and deceiving by manipulating information processing systems unjustly, to obtain services, money, or assets.



7

Online fraud is gaining money through illegal means only from outside the country.



8

Criminals in online fraud use technologies in a legitimate way and without any manipulation.

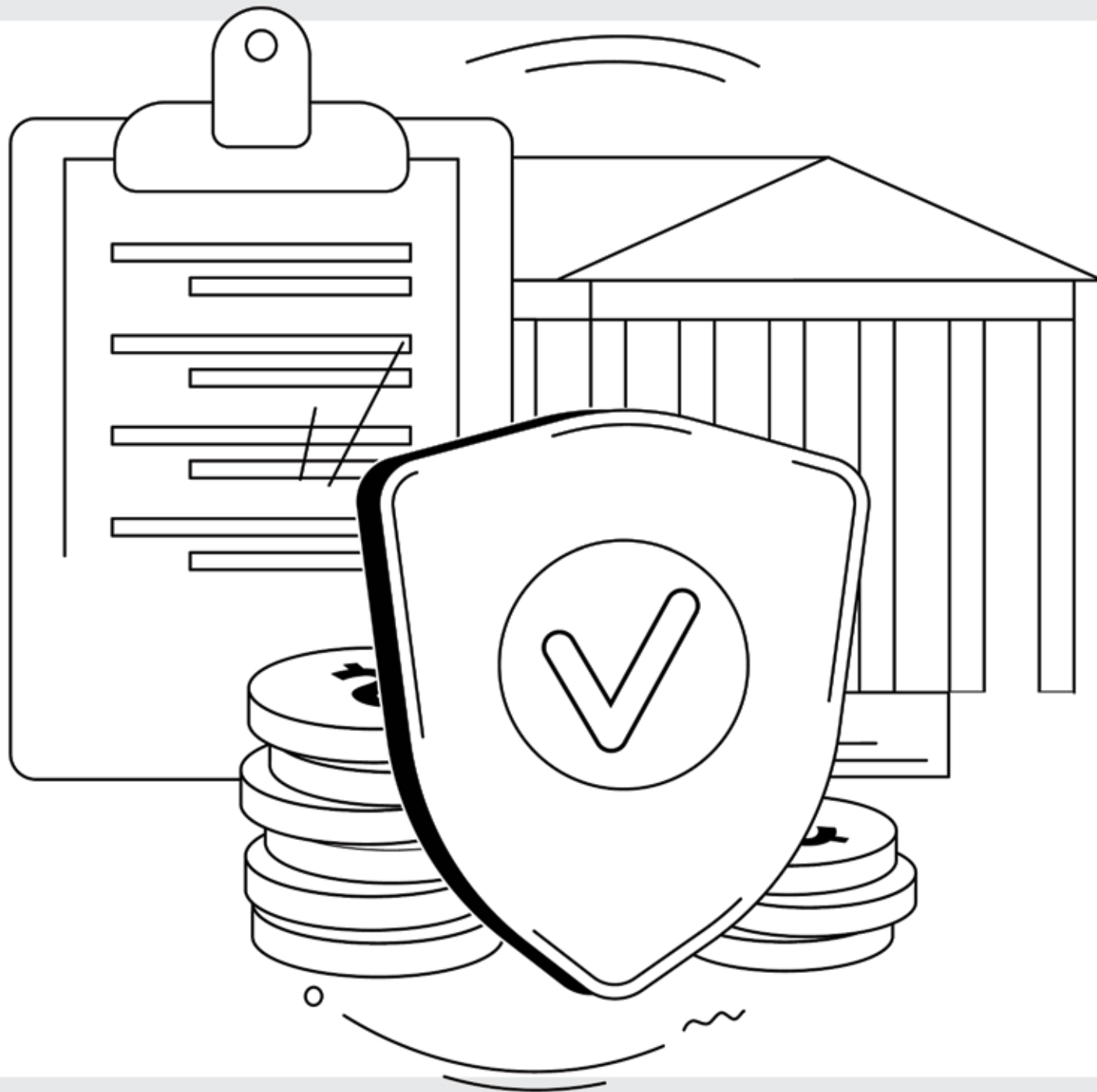


**pay attention!**

## Cyber Fraud

Seizing others' money through deceitful means, often involving the use of computers.





# Do you know that...?

Your digital footprint defines your online reputation, much like in real life.





## Instruction

Carefully read the sentences in the table, starting with the first sentence in column (A). Then, search in column (B) for the sentence that completes its meaning. Below is an example of linking two sentences.

## Exercise 2

Match the terms from column (A) with their corresponding from column (B):

### Column (A)

SMS fraud

Ad fraud

Ransomware viruses

Traditional online fraud

Voice fraud

Online shopping fraud

Fundraising fraud

Shopping fraud

### Column (B)

- A type of cyber fraud in which the victim is threatened with data destruction or payment of a ransom.
- It relies on deceiving others through voice alteration software to convince victims to share personal data and information.
- It occurs during the victim's shopping experience, where after paying for a product, they either receive nothing, or they might receive a wrong or counterfeit product.
- It exploits fake charitable organizations' names to obtain money by eliciting sympathy from others.
- A link is sent via text message, and once clicked, the fraud is initiated.
- It deceives the seller into thinking that the buyer has made the payment, but after sending the product, the money is not added to their balance.
- It involves purchasing credit card data and using it to buy products online.
- Malicious ads loaded with viruses are used to steal information and data.

## Exercise 3

Complete the sentences with the appropriate words:

### Instructions:

Carefully read the sentences below and choose the suitable words to fill in the blanks, making the sentence meaningful. An example provided below:

1

Identity theft is considered the most dangerous form of online fraud; where the criminal steals personal **data**, such as name, date of **birth**, address, **banking** account details, and all other important information.

2

This information is used to steal ..... and the identity can be exploited to open a bank ..... obtain ..... cards or loans, or to register ..... lines.

3

Online fraud criminals can steal personal ..... to take over existing bank accounts ..... of the person by using their personal .....

4

It is essential to avoid giving any personal ..... to others, and you must delete any document or file containing confidential ..... or ..... card numbers before disposing of it.



5

Ask your bank to send you a notification or ..... you in case there is any suspicion of unusual or unauthorized transaction on your bank .....

6

You must be very careful in your dealings with commercial ..... , or with others, whether through the phone or ..... , or the Internet in general, especially ..... platforms.

7

Avoid opening any suspicious ..... , and disable pop-up ..... Ensure the authenticity of the ..... of the person you are communicating with online.

8

Use a strong ..... for your phone and personal accounts, do not share it with others, and remember to keep ..... of your data. Avoid using public ..... networks, especially when accessing any banking-related applications.

9

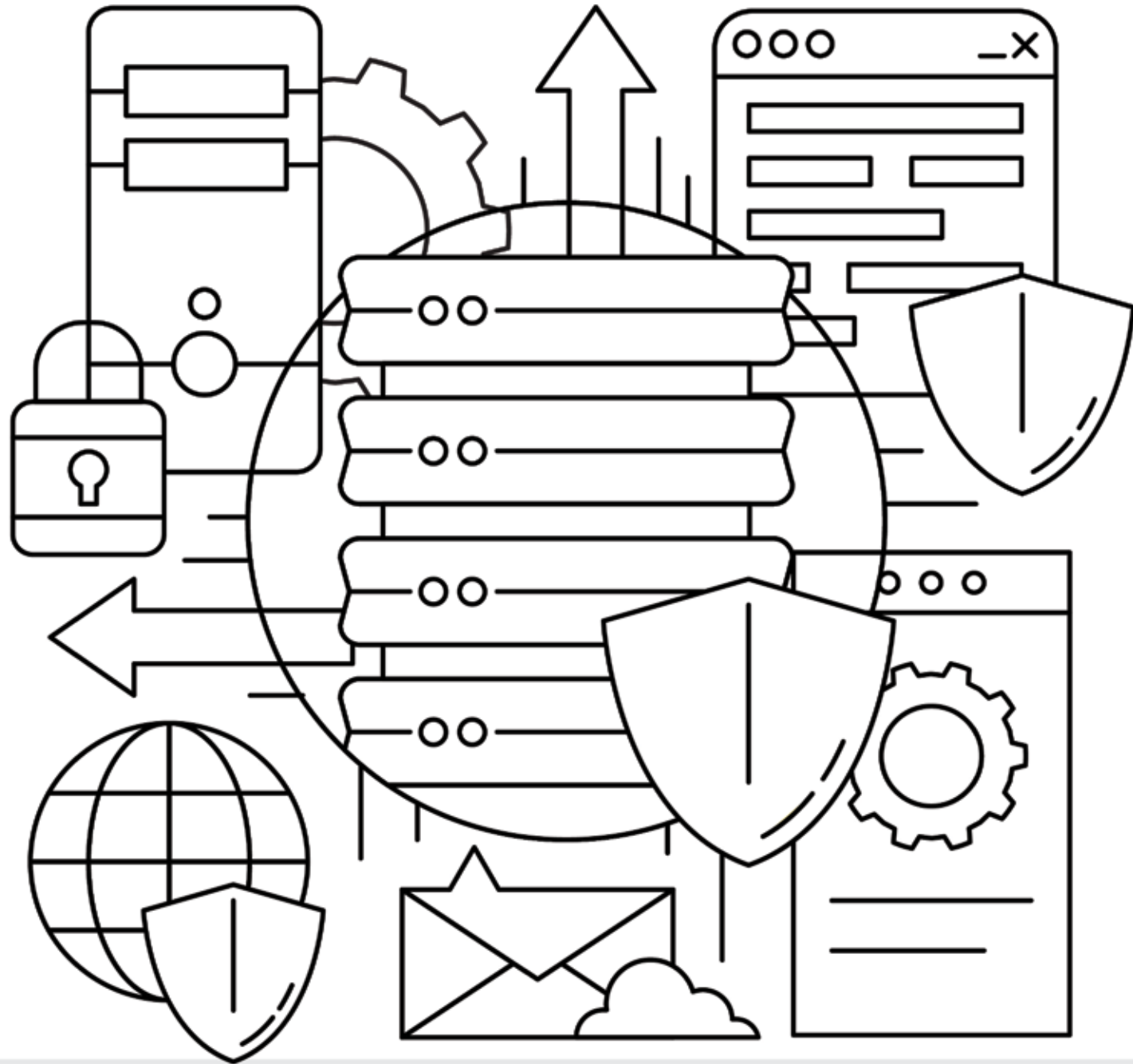
If you want to shop ..... , you need to make sure that the store is trustworthy, read reviews and ratings from others, and it's better to deal with well-known and secure stores.

# pay attention!

## Information fraud

Deception or fraudulent manipulation of information processing systems, with the intention of wrongfully gaining access to services, money, or specific assets.





## Exercise 4

Put the word (true) or (false) in front of the phrases that are essential for protection against online fraud crimes:

### Instructions:

Carefully read the sentences in the table and determine whether the sentences represent accurate information or misinformation in the field of online fraud protection. If the sentence is correct, place the word (true) next to it, if it's incorrect, place the word (false). An example provided below.

1	It is necessary to use legal versions of banking applications.	True
2	You can download applications from any website.	
3	You should not disclose your confidential information or personal details during phone calls.	
4	It's okay to click on any links sent by friends, whether in text messages or through email.	
5	Using a third party in financial transactions may expose you to fraud or money laundering.	

6

Using antivirus software is an essential factor in protecting yourself from online fraud.

7

You can repeat your name or using your date of birth as a strong password for your accounts and devices.

8

You should be careful when shopping online, and it is preferable to deal with well-known websites.

9

Writing your banking card details on any electronic shopping application is acceptable.

10

Avoid using modified or pirated (hacked) versions of smartphone applications.

# pay attention!

## Reasons for falling victim to online fraud

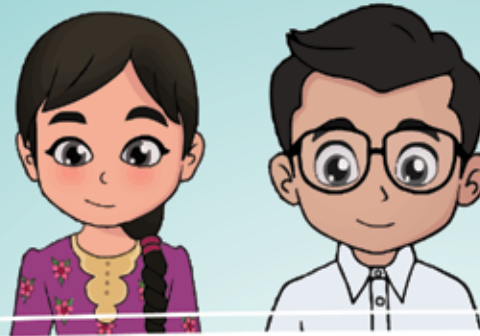
- Lack of awareness about using social media and internet platforms.
- Accessing unsafe websites.
- Sharing personal information on social media and online platforms.
- Dealing with fake online stores.
- Impersonation of well-known personalities such as government employees, experts, executives, or technicians by hackers.
- Exploiting of emotions like during emergencies to attract the sympathy of targeted victims online.





## Exercise 5

Place the appropriate word  
in front of each sentence:



### Instructions:

Carefully read the sentences in the table, think of a word or phrase that expresses the meaning of the sentence. And write it in the second column, an example provided below.

- The impact you leave behind and the information you leave behind after each use of the internet.
- Fraud and data theft using technology and the internet.
- Programs that help you protect your devices and fend off fraudulent attacks.
- A set of letters, symbols, and numbers used to secure your accounts.
- Using an intermediary to transfer money from one party to another.

### Digital footprint



**pay attention!**

## Security Bug

A 'Security Bug' is a term referring to vulnerabilities in computer operating systems and software. These weak points allow attackers to infiltrate the operating system, enabling them to modify it, leading to potential outcomes such as complete destruction, spying on the computer owner's private information, or accessing the victim's device.





**pay attention!**

## The Zero-Day loophole

This type of security vulnerability is present in computer programs and can be exploited by hackers; these security vulnerabilities pose a high level of risk to cybersecurity.





## Exercise 1:

Extract the following words from the table:

## Instructions:

Carefully read the words listed below and search the table for consecutive letters that form these words. Below is an example for the word "**scam**" and how its letters were found in the table:

h	a	r	m	s	c	a	m	b	n	e	t
i	n	s	t	r	u	c	t	i	o	n	s
r	f	c	h	w	l	h	s	l	o	c	c
i	r	r	t	o	i	a	e	e	r	h	r
g	a	i	t	r	e	r	c	g	d	e	i
h	u	m	p	k	s	m	u	a	e	a	m
t	d	e	d	a	t	a	r	l	r	t	i
p	r	i	v	a	c	y	e	j	s	i	n
d	c	c	e	p	t	i	o	n	n	n	a
b	n	n	k	r	u	p	t	c	y	g	l
m	n	n	i	p	u	l	a	t	i	o	n
t	c	c	h	n	o	l	o	g	y	t	i

Fraud - ~~Scam~~ - Manipulation - Data - Instructions - Orders - Technology - Harm - Http

Criminal - Crime - Deception - Cheating - Bankruptcy - Right - Work - Privacy - Secure - Legal - Lie - net

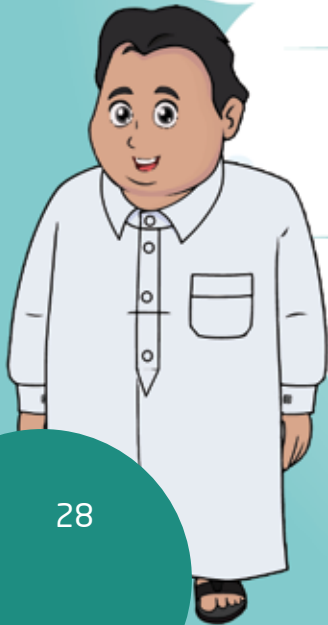
## Exercise 2

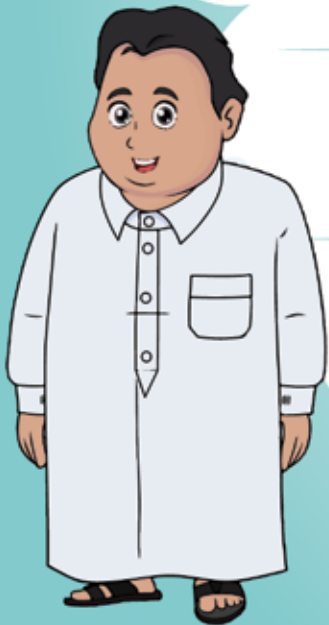
Determine the correct and incorrect statements:

### Instructions:

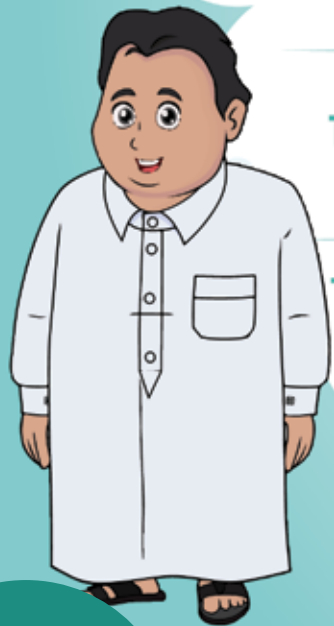
Read the sentences below carefully, and think carefully about whether the sentences are correct or incorrect. An example provided below.

1	Online fraudsters exploit people's trust to steal their money and data.	Correct
2	Cybercriminals study the victim to know their weaknesses; to gain trust before committing their crime.	
3	Large companies are never exposed to any form of online fraud crimes.	
4	Online fraud crimes cannot enter into any other areas other than stealing money and data.	
5	Online fraudsters seek only to obtain money.	





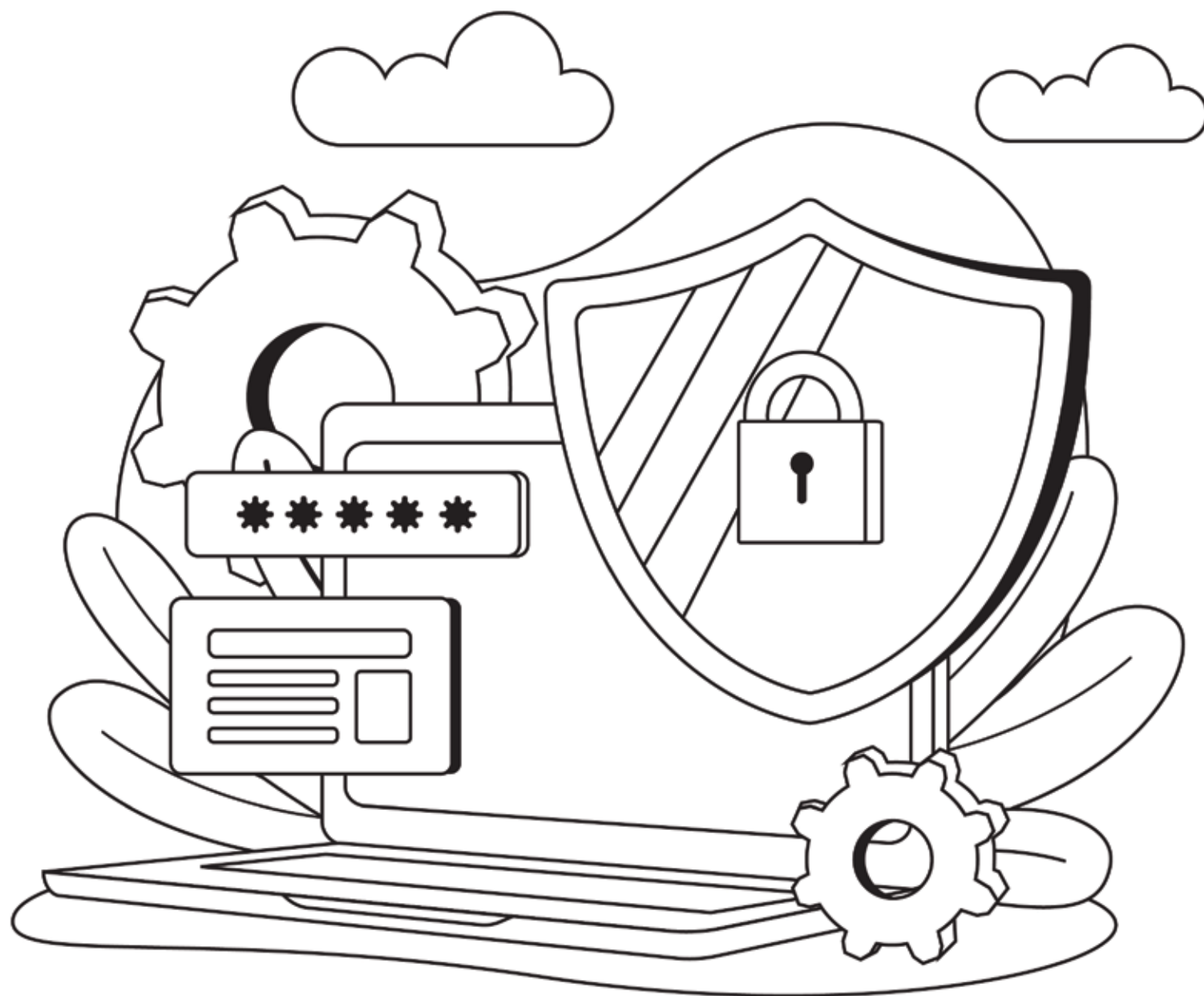
- |    |   |
|----|---|
| 6  | Using illegal applications helps online fraudsters.                               |
| 7  | Applications can be downloaded from any website on the Internet without fear.     |
| 8  | It is okay to share confidential data and information with others over the phone. |
| 9  | You do not need to use antivirus software.  |
| 10 | Use numbers 1 to 8 as the password for your accounts and devices.                 |



- |    |   |
|----|---|
| 11 | You can shop from any online store and share your bank card data without fear.                  |
| 12 | Fraud cannot occur in the name of charitable or volunteer institutions.                         |
| 13 | E-commerce is one of the primary targets of online fraudsters.                                  |
| 14 | Clicking on malicious links without awareness may lead to the theft of your data and accounts . |
| 15 | Ransomware viruses cannot cause any harm to your devices or data.                               |







## Exercise 3

Complete the following sentences:

### Instructions:

Carefully read the following sentences and proceed to fill in the blanks with the appropriate words to give the sentence a meaningful context. An example provided below.

1

**Digital Footprint** is the digital shadow and refers to the trail of data left when using the

2

Internet Digital footprinting includes visits to \_\_\_\_\_, messages from \_\_\_\_\_ and the information you are looking for.

3

The \_\_\_\_\_ digital footprint is when you deliberately share information about yourself by participating in \_\_\_\_\_ sites or forums.

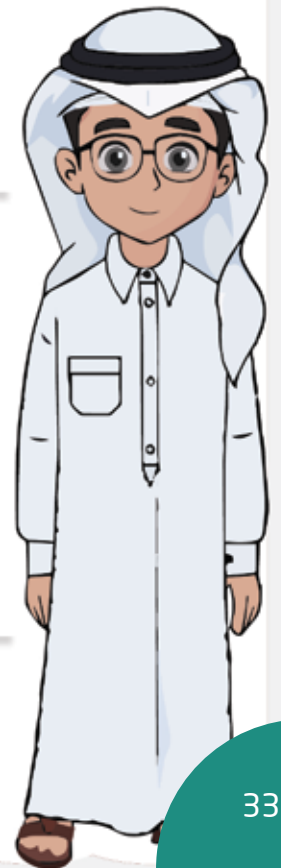


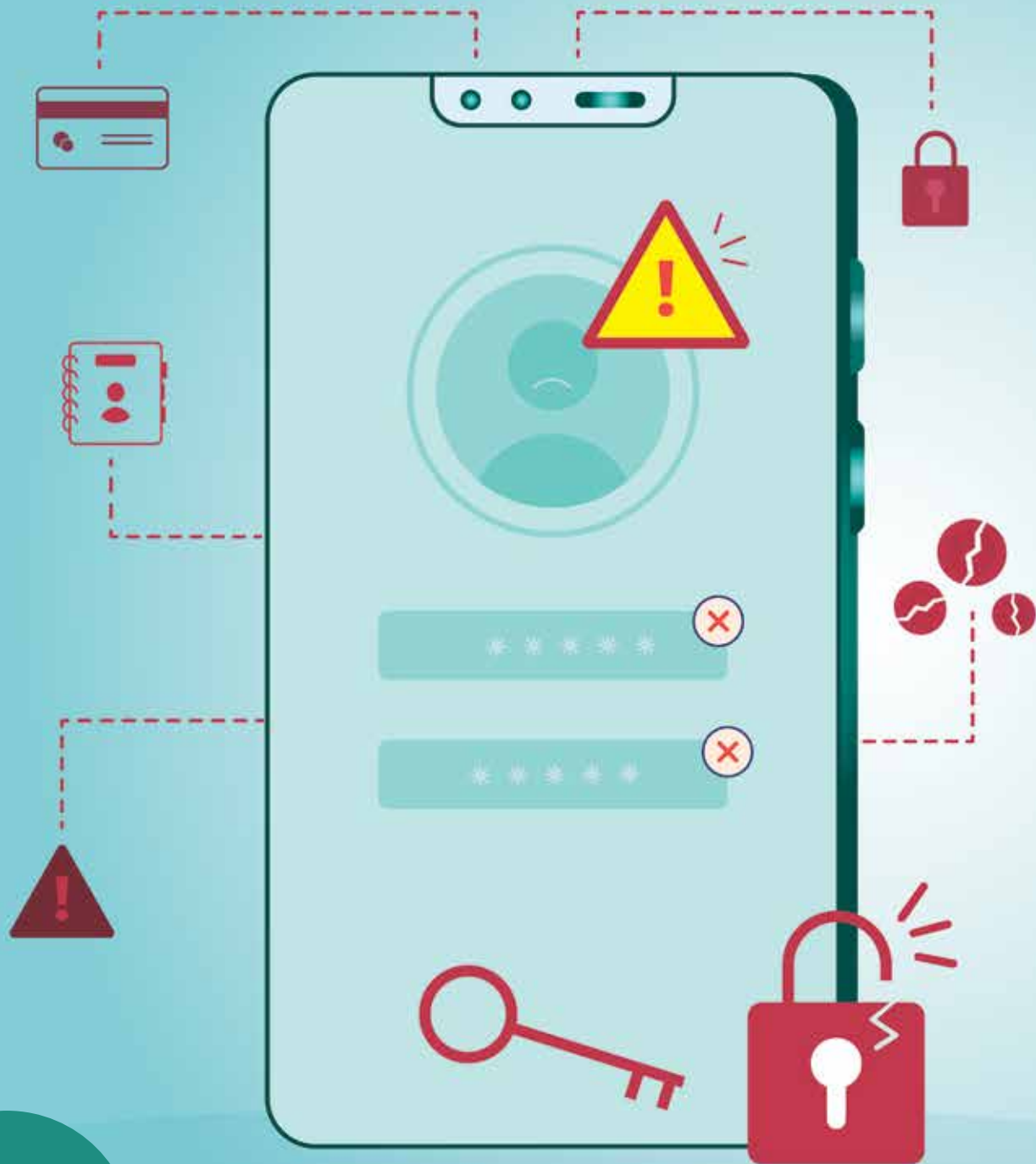
4

The ..... digital footprint occurs through gathering information about the user without their knowledge, either from their website visits or the information they search for and use with their ..... address.

5

The digital footprint is very important, especially since it is considered ..... data, and it determines the ..... reputation of the person. Some employers resort to tracking the digital ..... of potential employees and some words or ..... shared online can be misinterpreted, affecting your reputation or digital .....





## Do you know that...?

Using a strong password protects you from online fraud.

## Exercise 4

How can you protect yourself from online fraud?  
Place a word true or false:

### Instructions:

Carefully read the following sentences, and carefully consider whether the sentences are true or false, and an example provided below.

1. Downloading legitimate applications from official stores.	True
2. Using modified and leaked versions of mobile phone applications.	
3. Use anti-virus software and firewalls.	
4. Sharing personal data on social media platforms.	
5. Sharing data through phone calls.	
6. Shopping only from trusted stores.	
7. Avoid sharing bankcard information on websites.	
8. It's okay to click on links from unknown sources.	
9. Be careful of using third-party services during money transfer or withdrawal.	
10. Choose a strong password consisting of uppercase and lowercase letters, numbers, and some symbols.	



### Exercise 5:

Identify the mistake made by each victim in the following online fraud incidents:

Hamad received an email with a gift of an iPhone 14. So he immediately opened the link provided but found nothing.



Hala received a message from an international number asking her to send her Facebook account password. Once she sent it, she couldn't access her account again.



A bank customer service representative contacted Abdullah to verify the accuracy of his card and bank account information. After that, Abdullah received a message informing him of a withdrawal of 50,000 riyals from his account .

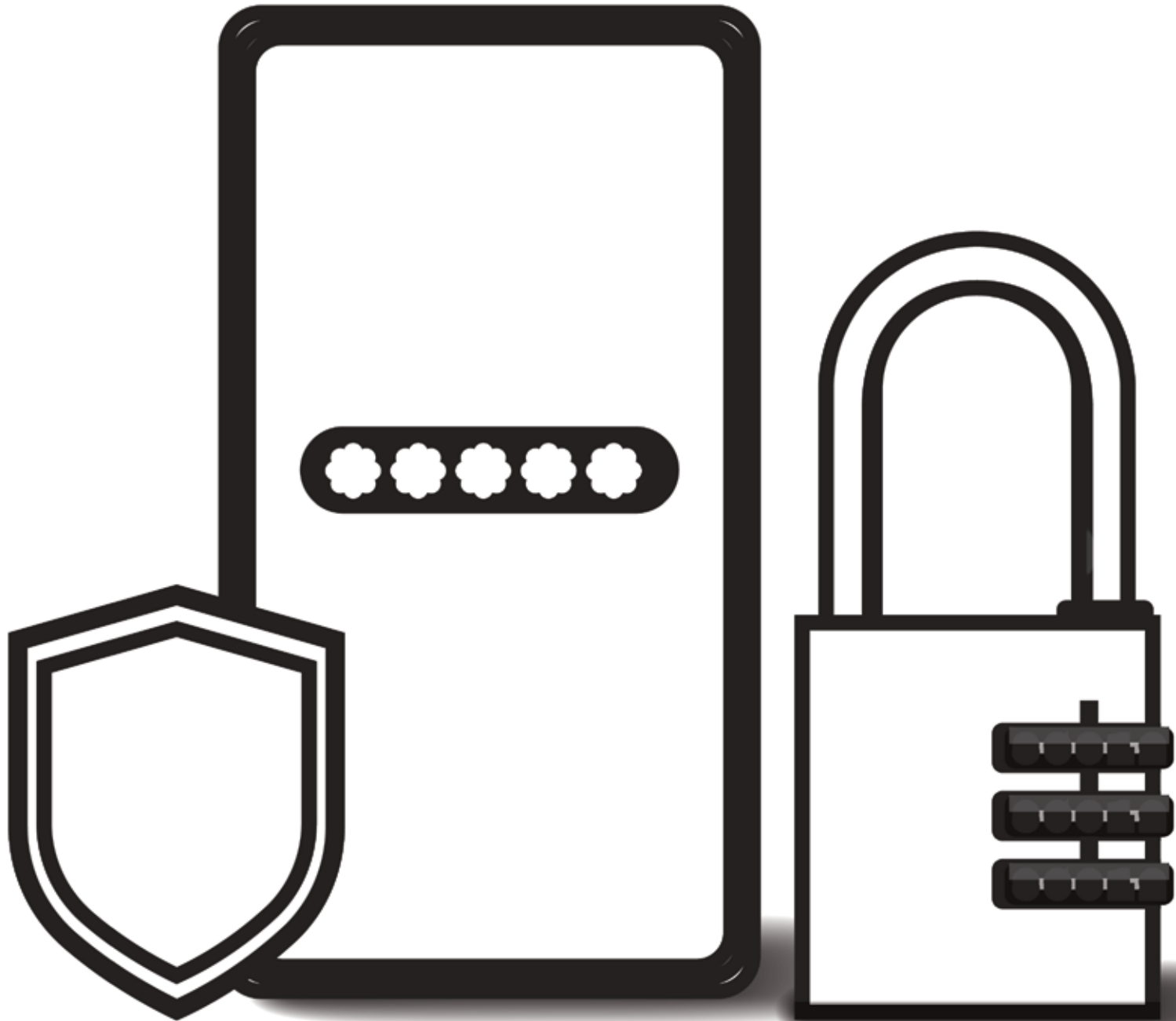


Mona saw a sponsored ad on Facebook for a charity collecting donations for Sudanese refugees. She sent them some money, and when she tried to confirm receipt of the amount, no one responded to her.

## Do you know that...?

Logging into certain websites using your Facebook account details might expose you to online fraud.





## The digital footprint is formed through

1

Online shopping.

2

Register to create an account on a specific website.

3

Downloading and using applications.

4

Using social media on your devices.

5

Logging into other websites using social media credentials.

6

Communicating with friends and contacts online.

7

Share information, data, and images with acquaintances.

## Digital footprint protection methods

**1** Verifying our information using search engines.

**2** Removing personal information from websites.

**3** Restricting the amount of data shared online.

**4** Checking social media privacy settings.

**5** Avoid unsafe websites.

**6** Being cautious when using public Wi-Fi network.

**7** Deleting our old online accounts.

**8** Creating strong passwords.

**9** Avoiding logging into websites using Facebook credentials.

**10** Regularly update programs and applications.

**11** Setting a password for the mobile phone.

**12** Act quickly after a data breach.



## Online fraud protection guidelines

1

Downloading applications from well-known app stores.

2

Regularly updating the phone.

3

Avoiding unknown source links.

4

Be cautious about transactions involving third parties.

5

Employing anti-virus software.

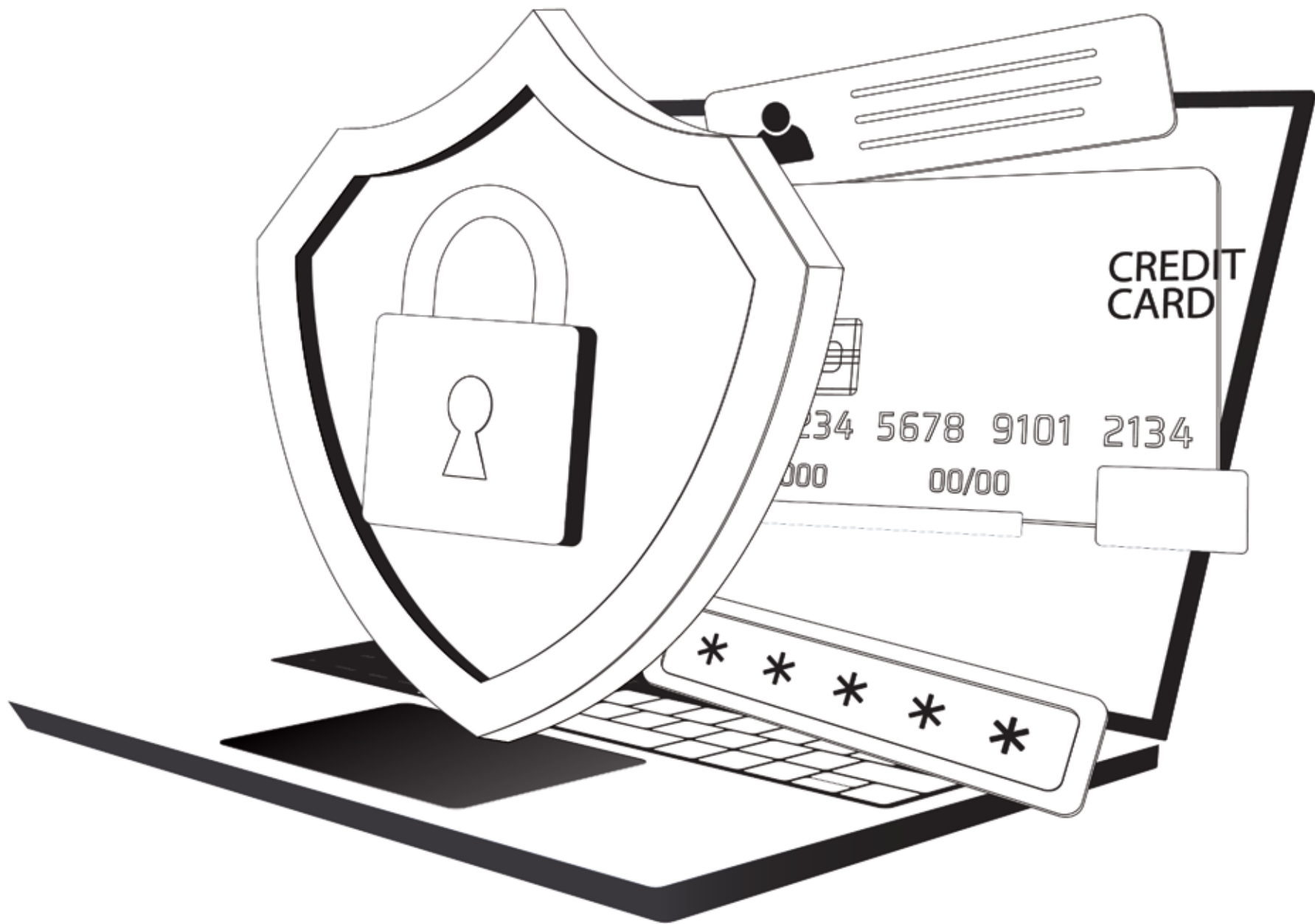
6

Using complex passwords.

7

Refraining from shopping on unfamiliar websites.







**pay attention!**

## **Information security**

Refers to a set of security measures and tools that widely protect sensitive information from misuse, unauthorized access, or destruction.



## Choose the correct answer

**1. Which of the following is an example of an active digital footprint**

- ☐ Posts on social media platforms.
- ☐ Applications using geolocation.
- ☐ Websites installing cookies without user notifying.

**2. One of the most important sources of personal information is the identification links related to applications and websites.**

- ☐ True.
- ☐ False.

**3. Online fraud is usually carried out when individuals visit websites, chat rooms, online stores, blogs or smart applications.**

- ☐ True.
- ☐ False.



**4. Deception or informational cheating is associated with the concept of online fraud; it is called "information fraud".**

- ☐ True.
- ☐ False.

**5. Online fraud is the act of seizing others' money through deceit, using computer devices.**

- ☐ True.
- ☐ False.

**6. Causes of online fraud include:**

- ☐ Misuse of internet sites.
- ☐ The spread of fake online stores..
- ☐ Exploitation of emotional compassion.
- ☐ All of the above.





**7. Emails containing links to attractive financial and in-kind prizes are forms of online fraud.**

☐

True.

☐

False.

**8. A security vulnerability is a term used for weak spots in computer operating systems and software.**

☐

True.

☐

False.

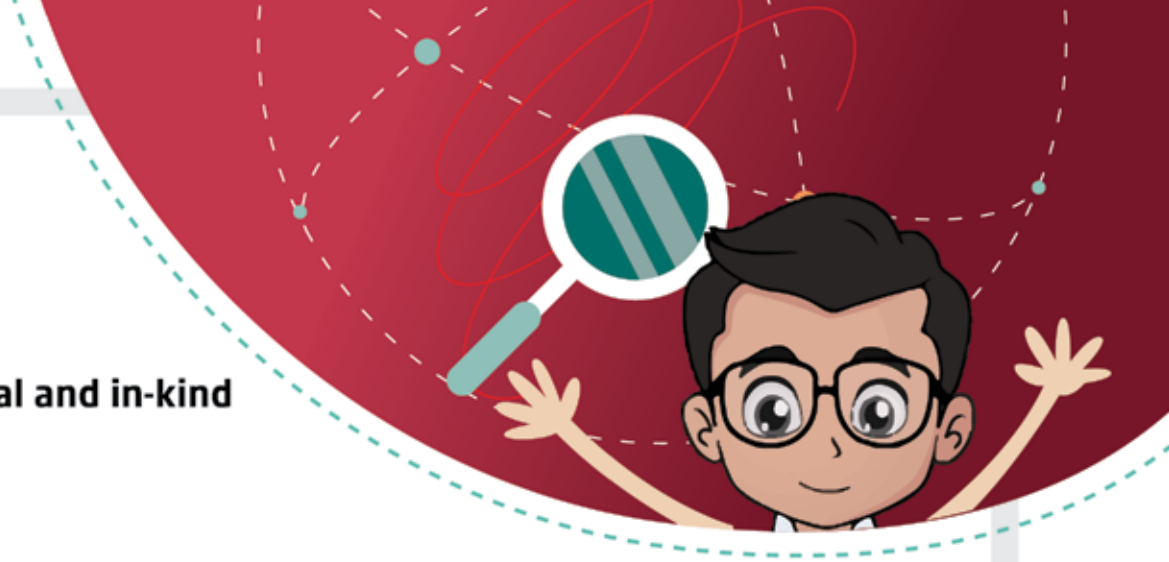
**9. The Zero-Day loophole does not represent a threat to cybersecurity**

☐

True.

☐

False.



**10. The step of "Creating an Exploitation Code" is part of the Zero-Day loophole attack mechanism**

- ☐ True.
- ☐ False.

**11. In the online world, the term "theft" is referred to as...**

- ☐ Data violation.
- ☐ Data leakage.
- ☐ All of the above..

**12. .... can be used to track anyone's activities online.**

- ☐ Facial recognition.
- ☐ Handprint recognition.
- ☐ Digital footprint.



## Find the matching item

Match the sentences from column (A) with the corresponding ones from column (B)

### Column (A)

Causes of online fraud

Fake e-mail messages

Examples of online fraud crimes

One of the security vulnerabilities that infects software

A set of security measures and tools that protect sensitive information from misuse

Theft of digital information stored on computers or phones for the purpose of privacy violation

A synonym for the word "theft" in the internet

### Column (B)

☒ Data theft

☒ Data breach

☒ Information security

☒ Cryptocurrency theft in recent years, such as Bitcoin

☒ Exploitation emergencies such as the COVID-19 pandemic

☒ One form of online fraud

☒ Zero-Day

**Place the word or phrase synonymous with the following sentences:**

An attack that disables our online accounts, and in exchange for reusing them, we have to pay a sum of money.

Fake messages offering financial rewards and gifts arrive via email or messenger with the aim of deceiving and stealing our data.

Vulnerable areas that lead to infiltrating our devices, whether computer or phone, putting us at risk.

Tools that safeguard our sensitive information from unauthorized access, disruption, or destruction.

A specific type of theft targeting our personal data online, punishable by law.

Online footprints used by attackers to exploit sensitive information and deceive both us and others.

It consists of 12 letters, symbols and numbers, and aimed at protecting us online.

## Complete the following sentences with the correct answers:



1

..... digital footprints refer to intentional sharing of user information.

2

..... digital footprint involve collecting user information without their knowledge.

3

Cybercriminals can exploit digital ..... for purposes like identity theft.

4

Among the ways users add to their digital footprint is by downloading .....

5

..... Restricting is among the methods of safeguarding the digital footprint.





6

Verifying privacy settings is a way to protect .....

7

Avoiding clicking on ..... is among the guidelines for protection from online fraud.

8

It is preferable to use passwords consisting of ..... to protect against online fraud.

9

In case of exposure to an online fraud, it's advisable to report it to .....

10

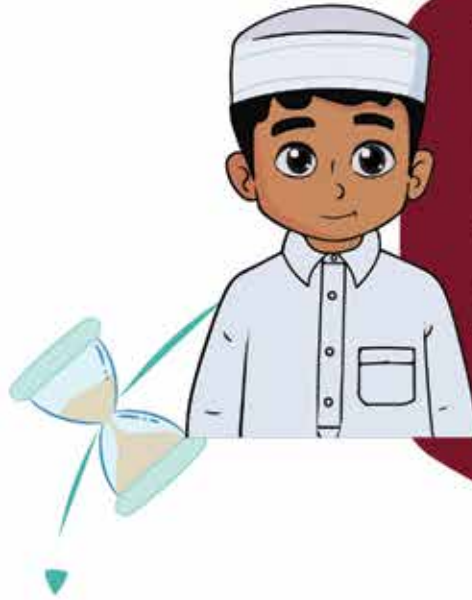
If your screen suddenly fills with creepy pop-ups windows, then .....

**pay attention!**

## Digital footprint

Refers to the trail of data and information left behind when using the internet. This encompasses the websites visited, the emails sent and received, and the information provided online. **The digital footprint** shapes individuals' online reputations, similar to what occurs in real life.





**The graduation project** is an assignment that you undertake on your own or in collaboration with one or two of your colleagues, under the supervision of the trainer. Through it, you are required to perform one of the following assignments:

## Graduation project

Write a short story about a student who was experienced an attempted online fraud, and how he dealt with the situation.

The student takes on the role of a trainer and writes general guidelines to his colleagues or parents, explaining the necessary steps to protect themselves from the risks of forgery and online fraud.













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