



# System Software 2

English For Software Engineering  
[cakap.com](https://cakap.com)





# Learning Objectives

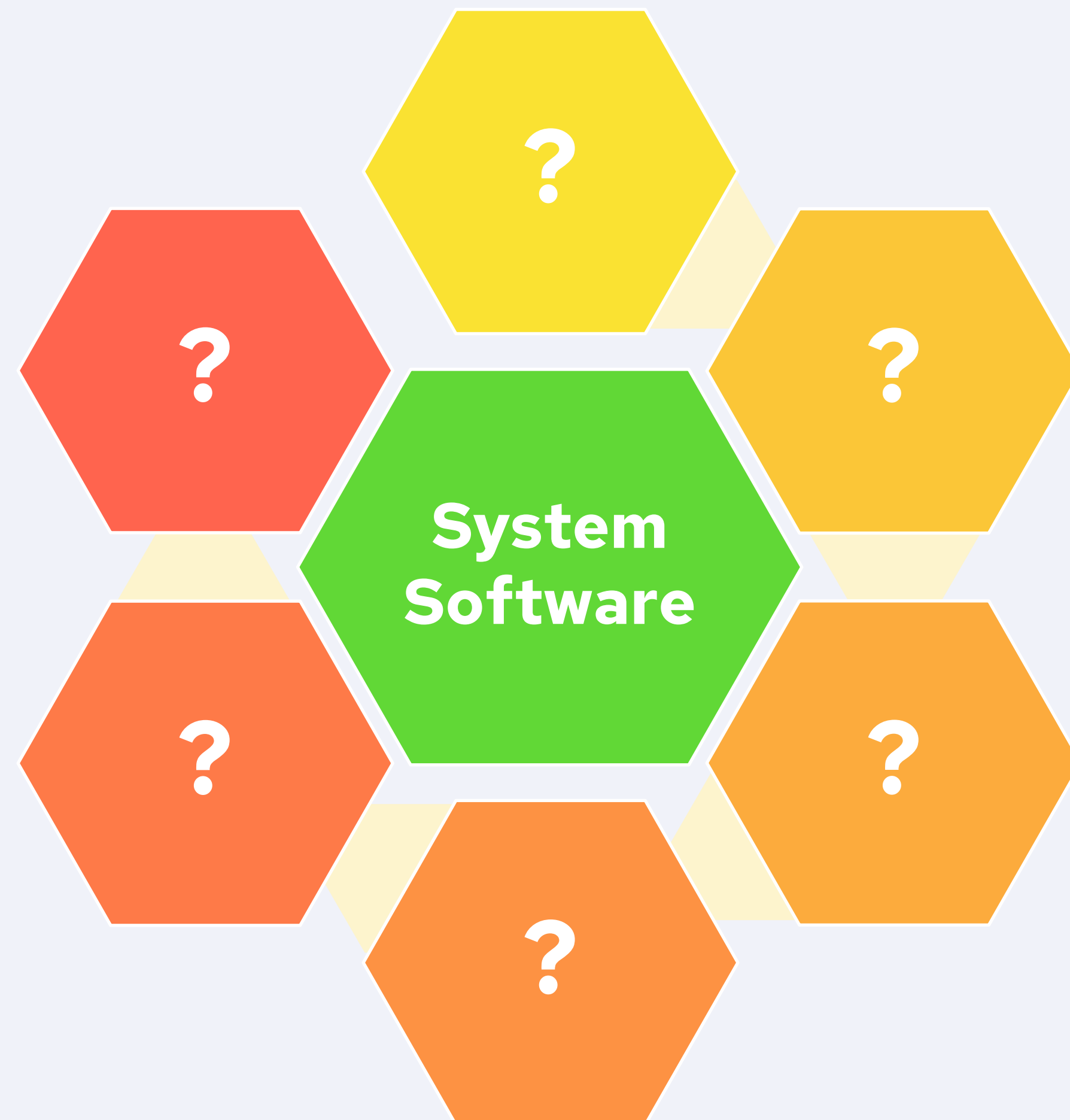
---

## **After this lesson, students will be able to:**

- apply vocabulary surrounding the topic “System Software” in the appropriate context.
- demonstrate the learned practical expressions in the form of short conversation with the aid of provided prompts.
- select relevant information from the provided text and recording.
- employ the learned grammatical features correctly.

## Word Association

What springs to your mind upon hearing the word **system software**?



Why do you associate those words with system software?  
Explain the reasons.



# Vocabulary Exercise

Match each terminology with its correct definition.

1. Malware
2. Worms
3. Antivirus
4. Data
5. Hacker

- a. someone who tries to get into another person's computer using computer software.
- b. short for malicious software, is a kind of software that can be installed on a computer without approval from the computer's owner.
- c. a standalone malware computer program that replicates itself to spread to other computers.
- d. software that is created and used to protect a computer against infection by a virus.
- e. information in an electronic form that can be stored and used by a computer.

# Vocabulary - Answer Key

Check your answers below.

- **Malware** - b. short for malicious software, is a kind of software that can be installed on a computer without approval from the computer's owner.
- **Worms** - c. a standalone malware computer program that replicates itself to spread to other computers.
- **Antivirus** - d. software that is created and used to protect a computer against infection by a virus.
- **Data** - e. information in an electronic form that can be stored and used by a computer.
- **Hacker** - a. someone who tries to get into another person's computer using computer software.

# Useful Expressions

Study the conversation on asking for and giving suggestions below.

**Adam** : What should I do with the virus on my laptop?

**Dany** : You should quarantine it then remove it so that your laptop will function normally again.

**Adam** : Thank you for your advice. I'll do it.



The following are expressions on asking for and giving suggestions:

| Asking For Suggestions  | Giving Suggestions   |
|---|--|
| <ul style="list-style-type: none"> <li>What do you think I should do?</li> <li>Should I [...]?</li> <li>What/How would you [...]?</li> <li>What would you do if you were me?</li> </ul> | <ul style="list-style-type: none"> <li>I think you should [...]</li> <li>I think you ought to [...]</li> <li>If I were you, I would [...]</li> </ul> |

[...] = infinitive verb forms  
such as install, update,  
clear, back up, etc.

# Conversation Activity

Complete the following dialog with the appropriate expressions and practice it with your partner.

Dimas : What happened to your laptop?

Arya : I have no idea. \_\_\_\_\_ ?

Dimas : Let me check it. Oh, I think a virus attacks your laptop.  
Did you install any antivirus?

Arya : No, I didn't.

Dimas : \_\_\_\_\_ install an antivirus **so that** it can protect your laptop.

Arya : Can you help me install it?

Dimas : Sure!





# Answer Key

Compare your answers to the following.

Dimas : What happened to your laptop?

Arya : I have no idea. **What should I do?**

Dimas : Let me check it. Oh, I think a virus attacks your laptop.  
Did you install any antivirus?

Arya : No, I didn't.

Dimas : **You should** install an antivirus **so that** it can protect your  
laptop.

Arya : Can you help me install it?

Dimas : Sure!





# Discussion Points

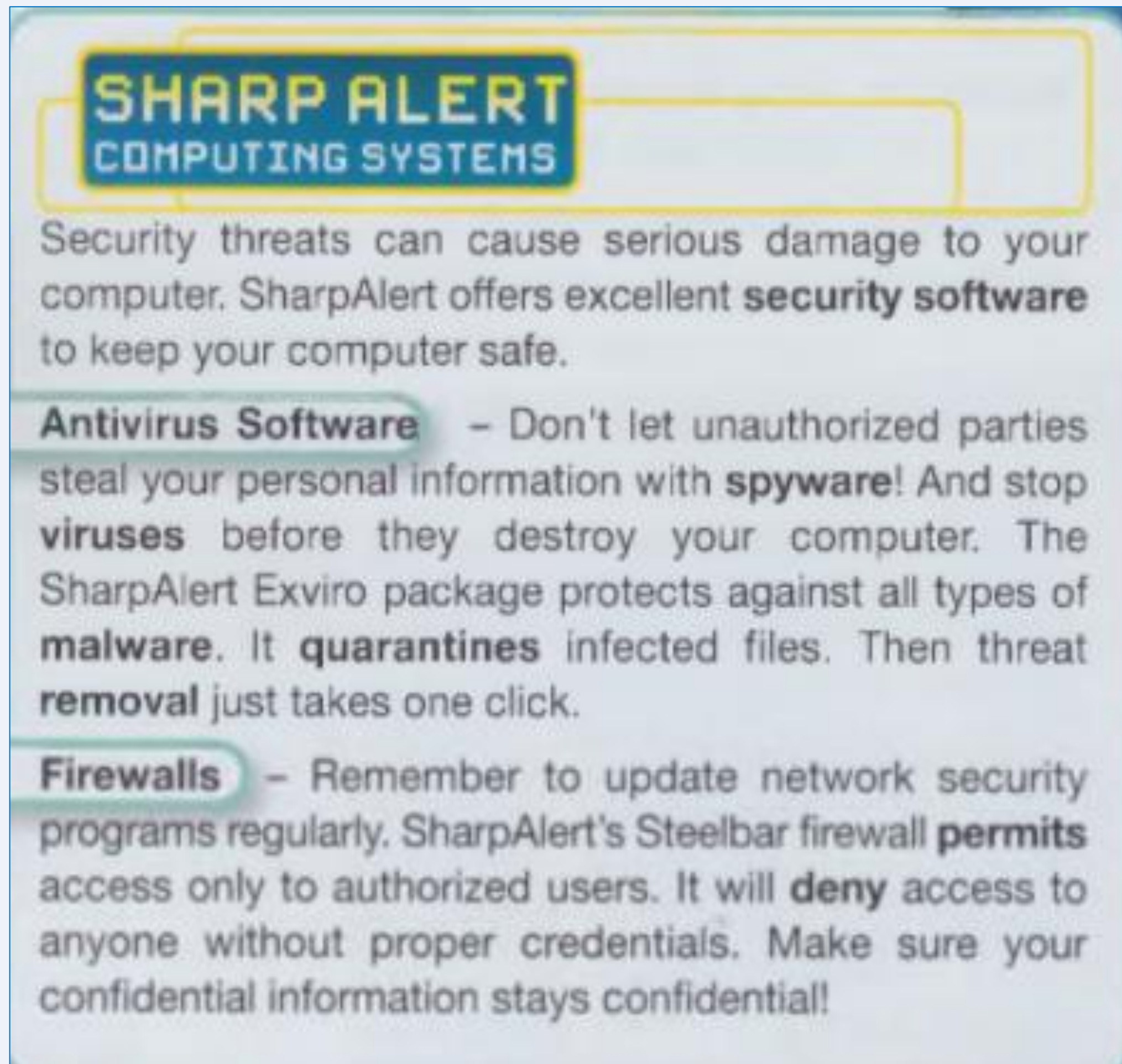
Discuss the following questions with your teacher or the other participants.

1. What are some threats to computer security?
2. How can users protect computers from security threats?



# Reading Comprehension

Read the passage and answer the questions below.



**SHARP ALERT**  
COMPUTING SYSTEMS

Security threats can cause serious damage to your computer. SharpAlert offers excellent **security software** to keep your computer safe.

**Antivirus Software** – Don't let unauthorized parties steal your personal information with **spyware**! And stop **viruses** before they destroy your computer. The SharpAlert Exviro package protects against all types of **malware**. It **quarantines** infected files. Then threat **removal** just takes one click.

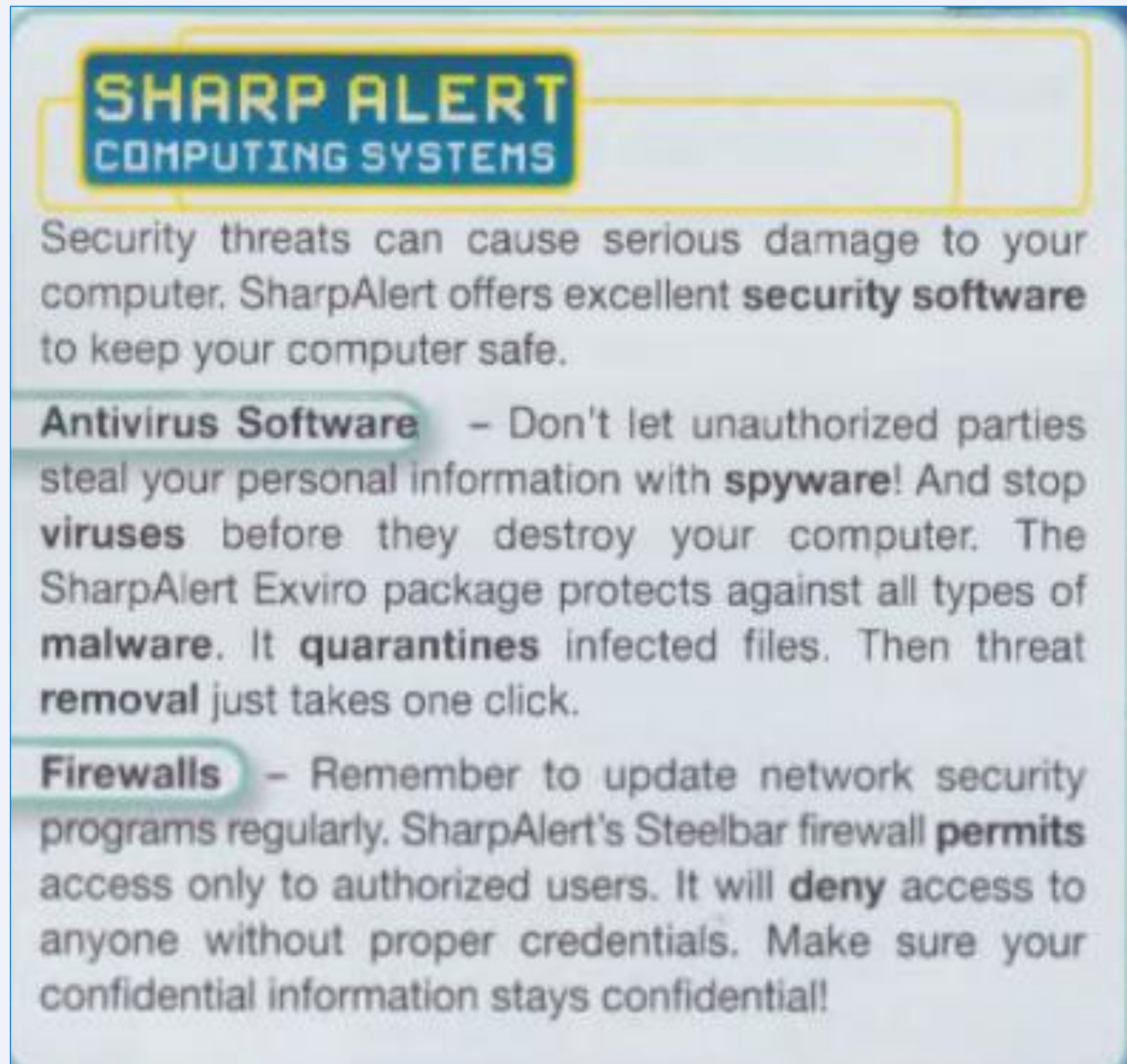
**Firewalls** – Remember to update network security programs regularly. SharpAlert's Steelbar firewall **permits** access only to authorized users. It will **deny** access to anyone without proper credentials. Make sure your confidential information stays confidential!

1. What product does the company offer?
2. Why are security threats harmful?
3. Why should people buy the product?
4. How does the SharpAlert Exviro package work?
5. What does the company suggest regarding the network security program?
6. Who will be able to access the firewall?
7. If it were you, would you purchase the product or not, and why?



# Reading - Answer Key

Check your answers below.



**SHARP ALERT**  
COMPUTING SYSTEMS

Security threats can cause serious damage to your computer. SharpAlert offers excellent **security software** to keep your computer safe.

**Antivirus Software** – Don't let unauthorized parties steal your personal information with **spyware**! And stop **viruses** before they destroy your computer. The SharpAlert Exviro package protects against all types of **malware**. It **quarantines** infected files. Then threat **removal** just takes one click.

**Firewalls** – Remember to update network security programs regularly. SharpAlert's Steelbar firewall **permits** access only to authorized users. It will **deny** access to anyone without proper credentials. Make sure your confidential information stays confidential!

1. What product does the company offer?  
**A security software.**
2. Why are security threats harmful?  
**Because they can cause significant damage to computers and steal personal information.**
3. Why should people buy the product?  
**It can protect the computer from all types of malware.**
4. How does the SharpAlert Exviro package work?  
**It quarantines infected files and you can remove the threat.**
5. What does the company suggest regarding the network security program?  
**To keep it updated.**
6. Who will be able to access the firewall?  
**Those who have proper credentials.**
7. If it were you, would you purchase the product or not, and why?  
**Opinionated answers. Answers may vary.**



# Vocabulary Exercise

Complete the sentences using words in the box.

hacker

antivirus

adware

virus

malware



1. Kaspersky is a well-known \_\_\_\_\_ in the world.
2. A unicorn e-commerce just got their data leaked by a \_\_\_\_\_. I can't access any documents on my computer. I think a \_\_\_\_\_ has attacked.
3. If your computer has many suspicious pop-up ads, your computer might get \_\_\_\_\_.
4. I never install this software before, do you think it might be a \_\_\_\_\_?

# Vocabulary - Answer Key

Check the answers below.



1. Kaspersky is a well-known *antivirus* In the world.
2. A unicorn e-commerce just got their data leaked by *hacker*.
3. I can't access any documents on my computer. I think a *virus* has attacked.
4. If your computer has many suspicious pop-up ads, your computer might get *adware*.
5. I never install this software before, do you think it might be a *malware*?

# Discussion Points

Answer the questions.

1. How safe is our cloud personal data/privacy and why do you think so?
2. Have you ever experienced your data leaked by someone else? If so, how did you deal with it?





# Vocabulary Focus

Match each word below with the correct definition on the right.

1. spyware
2. virus
3. quarantine
4. firewall
5. permit
6. deny
7. credential

1. give access.
2. not allow access.
3. a computer program that can make copies of itself and is intended to prevent the computer from working normally.
4. a piece of information that is sent from one computer to another to check that a user is who they claim to be or to allow someone to see information.
5. a device or program that stops people from seeing or using information on a computer without permission while it is connected to the internet.
6. software that collects information about how someone uses the internet, or personal information such as passwords, without the user knowing about it.
7. to separate a file from a computer from others in order to prevent the spread of a virus.

# Vocabulary - Answer Key

Check the answers below.

- *Spyware* - f. software that collects information about how someone uses the internet, or personal information such as passwords, without the user knowing about.
- *Virus* - c. a computer program that can make copies of itself and is intended to prevent the computer from working normally.
- *Quarantine* - g. to separate a file from a computer from others in order to prevent the spread of a virus.
- *Firewall* - e. a device or program that stops people from seeing or using information on a computer without permission while it is connected to the internet.
- *Permit* - a. give access.
- *Deny* - b. not allow access.
- *Credential* - d. a piece of information that is sent from one computer to another to check that a user is who they claim to be or to allow someone to see information.

# Useful Expressions

Study the following expressions.

## Requesting Clarification

- ✓ Can you clarify what you mean by [insert term or concept]?
- ✓ I'm not sure I understand the purpose of [insert feature or function]. Could you explain it in more detail?
- ✓ Sorry, I'm not familiar with [insert technology or methodology]. Could you give me a brief overview?
- ✓ I'm having trouble understanding how [insert system or process] works. Could you walk me through it step-by-step?

## Giving Clarification

- ✓ To clarify, [insert statement or concept].
- ✓ Let me explain that in more detail.
- ✓ In other words, [insert rephrased statement or concept].
- ✓ Allow me to provide more context.
- ✓ What I mean by [insert term or concept] is [insert definition or explanation].
- ✓ To put it simply, [insert simplified explanation].



# Speaking Activity

Practice your speaking skills. Study the following.

- Choose a speaking partner/teachers can also assign the speaking partner.
- You and your partner will exercise requesting clarification and giving clarification expressions.
- Determine the topic/what's being talked about.
- Form a brief conversation with the agreed topic. Practice using the learned expressions.



\*Note: Teachers can also consider using breakout rooms for participants' discussion purposes.

# Ice Breaking

What comes to your mind upon looking at the pictures?

Label each picture with the provided words.










Virus

Antivirus

Spyware

Hacker

# Ice Breaking

Check the answers below.



Antivirus



Virus



Hacker



Spyware

Have you ever had problems with any of the things mentioned above?



# Listening



## Listening 1 (Click the headphones icon for the audio access)

### Spyware Program

Listen to the provided recording and do the exercise that follows.

1. What is the main idea of the conversation?
  - a. which information was stolen by a spyware program
  - b. why the company should update its antivirus software
  - c. what caused a failure in the company's firewall
2. What prediction does the woman make?
  - a. Unauthorized users will attempt to access the network again.
  - b. The company's systems will be damaged by a virus.
  - c. The company's files will need to be quarantined.
3. The files in the company's system ...
  - a. are open for public
  - b. should be saved
  - c. must be kept secret
4. What will the man do?
  - a. update the antivirus software regularly
  - b. install a new antivirus software
  - c. keep the woman updated about the antivirus software

# Listening - Answer Key



## Listening 1 (Click the headphones icon for the audio access)

### Spyware Program

Listen to the provided recording and do the exercise that follows.  
Check the answers below.

1. What is the main idea of the conversation?
  - a. which information was stolen by a spyware program
  - ☒ b. why the company should update its antivirus software
  - c. what caused a failure in the company's firewall
2. What prediction does the woman make?
  - ☒ a. Unauthorized users will attempt to access the network again.
  - b. The company's systems will be damaged by a virus.
  - c. The company's files will need to be quarantined.
3. The files in the company's system ...
  - A. are open for public
  - B. should be saved
  - ☒ C. must be kept secret
4. What will the man do?
  - ☒ a. update the antivirus software regularly
  - b. install a new antivirus software
  - c. keep the woman updated about the antivirus software

# Grammar Focus

## Adverbs in Front Position

Study the following adverbs to show relationship between one clause or sentence.

| Conjunction | Function  | Examples  |
|-------------|---|---|
| Therefore   | to link a clause that informs the result of something synonymous with “as a result,” or “hence” | He doesn’t install any antivirus <b>therefore</b> his computer is susceptible to virus.         |
| Furthermore | to introduce a new argument and placed at the start of a sentence                               | <b>Furthermore</b> , he wished he could get all his data back.                                  |
| Otherwise   | to introduce the possible outcome of a given situation  | Governments must punish the hackers. <b>Otherwise</b> , they will repeat the same action again. |
| So (that)   | to begin adverb clauses of purpose which answers the question “Why?”                            | It helps protect your laptop <b>so that</b> a virus won’t attack it.                            |
| However     | to say something that is surprising compared with what has just said                            | We installed the software yesterday. <b>However</b> , it is not working now.                    |

# Grammar Exercise

Complete the following sentences with the correct option provided in the box.

so that      furthermore      otherwise      however      therefore

1. Antivirus software regularly updates its virus database; \_\_\_\_\_, it can protect your system against the latest threats.
2. Users should avoid downloading files from unknown sources \_\_\_\_\_ they can prevent malware infections.
3. Keeping your operating system and applications up-to-date is essential for system security. \_\_\_\_\_, enabling the firewall can add an extra layer of protection.
4. If you do not use a strong and complex password, your system may be vulnerable to hacking attempts. \_\_\_\_\_, you can use multi-factor authentication to increase security.
5. Installing multiple antivirus software may seem like a good idea; \_\_\_\_\_, it can lead to conflicts and affect system performance.



# Grammar - Answer Key

Check the answers below.

1. Antivirus software regularly updates its virus database; therefore, it can protect your system against the latest threats.
2. Users should avoid downloading files from unknown sources so that they can prevent malware infections.
3. Keeping your operating system and applications up-to-date is essential for system security. Furthermore, enabling the firewall can add an extra layer of protection.
4. If you do not use a strong and complex password, your system may be vulnerable to hacking attempts. Otherwise, you can use multi-factor authentication to increase security.
5. Installing multiple antivirus software may seem like a good idea; however, it can lead to conflicts and affect system performance.

# Pronunciation Drill

Practice speaking these following words with clear enunciation.

- authorized      /'ɔ:θəraɪz/
- benign      /bɪ'naɪn/
- confidential      /,kɒnfɪ'denʃəl/
- firewall      /'faɪəwɔ:l/
- malware      /'mælwɛər/
- quarantine      /'kwɒrənti:n/
- virus      /'vaɪərəs/



# Learning Reflection

Think of today's learning session and answer the following questions.



What new knowledge have you obtained today?  
(Could be a new concept(s) or new vocabulary items)

What do you think you can do with what you have learnt today?

What's your favorite part of today's learning topic?

# Resources

---

- Evans, Virginia, et al. 2014. *Career Paths: Software Engineering*. Newbury: Express Publishing
- Karpersky. 2016. *Malware: Difference Between Computer Viruses, Worms and Trojans*. retrieved from <https://www.youtube.com/watch?v=n8mbzU0X2nQ>
- <https://dictionary.cambridge.org/>



# Thank you.



#MakinCakap