

Chapter-5

Computer Malware

Part 1: Fill in the Blanks

1. Malware is short for _____.
2. A _____ is a type of malware that spreads without user intervention.
3. A _____ appears to perform a useful function but actually harms the computer.
4. _____ is a type of malware that collects user information without their knowledge.
5. _____ is a type of malware that encrypts files and demands payment for access.
6. A _____ is a type of malware that allows attackers to gain access to a computer without being detected.
7. A _____ is a program designed to prevent, detect, and remove malware.
8. A _____ is a system designed to prevent unauthorized access to or from a private network.
9. The first Windows virus was called _____.
10. The _____ brothers created the first boot virus.

Part 2: True or False

1. Malware can spread through email attachments. (True/False)
2. A worm requires user intervention to spread. (True/False)
3. A Trojan Horse can replicate itself. (True/False)
4. Spyware is easy to detect. (True/False)
5. Ransomware encrypts files and demands payment for access. (True/False)
6. A rootkit provides a backdoor for attackers. (True/False)
7. Antivirus software can only detect viruses. (True/False)

8. Firewalls can be implemented in both hardware and software. (True/False)
9. The Morris worm was the first known computer worm. (True/False)
10. Adware is a type of malware that automatically delivers advertisements. (True/False)

Multiple Choice Questions

1. What does malware stand for?
 - a) Malicious Software
 - b) Malicious Hardware
 - c) Managed Software
 - d) Managed Hardware
2. Which type of malware spreads without user intervention?
 - a) Virus
 - b) Worm
 - c) Trojan Horse
 - d) Spyware
3. What is a Trojan Horse?
 - a) A type of worm
 - b) A type of virus
 - c) A program that appears useful but is harmful
 - d) A type of spyware
4. Which malware collects user information without their knowledge?
 - a) Ransomware
 - b) Spyware
 - c) Adware
 - d) Rootkit

5. What does ransomware do?
 - a) Encrypts files and demands payment
 - b) Collects user information
 - c) Spreads through email attachments
 - d) Provides a backdoor for attackers
6. What is a rootkit?
 - a) A type of virus
 - b) A type of worm
 - c) A program that allows attackers to gain access without detection
 - d) A type of spyware
7. What is the primary function of antivirus software?
 - a) To encrypt files
 - b) To prevent, detect, and remove malware
 - c) To collect user information
 - d) To spread malware
8. What is a firewall?
 - a) A type of malware
 - b) A system designed to prevent unauthorized access
 - c) A type of virus
 - d) A type of spyware
9. What was the first Windows virus?
 - a) WinVer 1.4
 - b) ILOVEYOU
 - c) Morris worm
 - d) WannaCry

10. Who created the first boot virus?

- a) The Farooq Alvi brothers
- b) Symantec
- c) Microsoft
- d) Norton