

External Threats

Task 1

(a) Many social engineering threats are designed to steal username and password details rather than financial data and money. What might they use these login details for?

(b) Below is an example of a phishing email. This is trying to get users to click on a link and enter their apple id login details so the attacker can use them to perform further crimes.

Annotate this email to identify at least 3 ways that you can tell it is a phishing email.

UPDATE REQUIRED Inbox x

Apple_Support <notice@847422-app2.internetsalesresults.com> 4 Jun (3 days ago) ☆

to me

Dear Apple_Customer,

Please take a moment and update your Apple_ID in compliance with the new policy of GDPR to avoid any service restrictions.

Use on the following link to update your information: appleid.apple.com.

We apologize for any inconvenience

This is an automated message. Please do not reply to this email. If you need additional help, visit [Apple Support](#).

Thanks,
Apple Customer Support

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Task 2

(a) Malicious software, or malware, come in a variety of different types. These different types of malware can spread and act in different ways and can have a different impact on your computer system. Identify these below.

Malware Type	Explanation	Impact
Virus		
Worm		
Botnet		
Trojan		
Ransomware		
Spyware		

(b) There are several ways that a virus can infect a computer system. Identify two possible methods of infection below.

1. _____
2. _____

Task 3

(a) What is the difference between a white-hat hacker and a black-hat hacker?

(b) What is the difference between phishing, spear-phishing and pharming?

(c) Below are three statements regarding external threats to organisations. Identify which statements are true and which are false.

- | | True | False |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|
| 1. A denial-of-service attack is where a virus infects a computer causing it to crash. | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. An example of a 'Man-in-the-Middle' attack is setting up a fake WiFi access point that people connect to and stealing data as it is transmitted through the fake WAP. | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Hacking is where an individual gains unauthorised access to a system/network. | <input type="checkbox"/> | <input type="checkbox"/> |