

Feedback on Ex1

Exercise Question – E1.1

Comment on the implications to risks (i.e. whether risks are increased or decreased) in terms of Confidentiality, Integrity and Availability in each of the following cases:

i) Disconnect a computer from the Internet

Disconnecting a computer from the Internet reduces risks to confidentiality, but availability suffers. Integrity may also suffer due to loss of updates.

ii) Have extensive data checks by different people/systems

Have extensive data checks by different people/systems can reduce risks to integrity, but confidentiality suffers as more people will be able to see the data. Availability will also suffer due to locks on data under verification.

Exercise Question – E1.2

i) In this exercise, you are asked to identify, via literature research, potential cyber attack threats to *mobile* banking (i.e. perform banking transactions using your mobile phone). You are expected to be able to explain the attacking mechanism of each of your identified threats (i.e. how the attack is performed) and try to name any countermeasures to your identified threats.

** This is a research question, so I will leave you to do the reading and research.

Exercise Question – E1.2

(ii) Draw a threat tree for 'Read your mate's email'.

****With regard to this question, you should consider: (a) client side security threats, (b) server side security threats and (c) channel security threats. For each of (a), (b) and (c), it is going to be a sub-tree.**