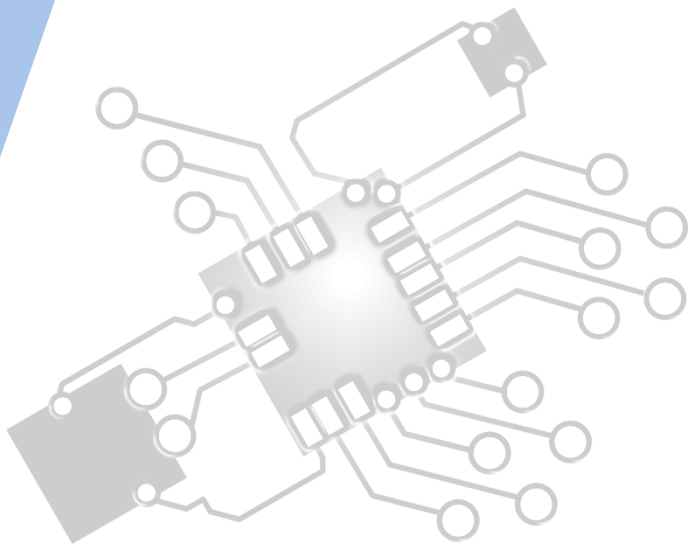
System backup

IB Computer Science



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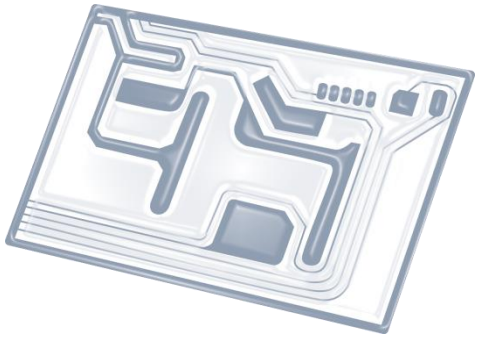
HL Topics 1-7, D1-4



1: System design

2: Computer Organisation

3: Networks

4: Computational thinking

5: Abstract data structures

6: Resource management

7: Control

D: OOP

HL & SL 1.1 Overview

Planning and system installation

1.1.1 Identify the context for which a new system is planned.

1.1.2 Describe the need for change management

1.1.3 Outline compatibility issues resulting from situations including legacy systems or business mergers.

1.1.4 Compare the implementation of systems using a client's hardware with hosting systems remotely

1.1.5 Evaluate alternative installation processes

1.1.6 Discuss problems that may arise as a part of data migration

1.1.7 Suggest various types of testing

User focus

1.1.8 Describe the importance of user documentation

1.1.9 Evaluate different methods of providing user documentation

1.1.10 Evaluate different methods of delivering user training

System backup

1.1.11 Identify a range of causes of data loss

1.1.12 Outline the consequences of data loss in a specified situation

1.1.13 Describe a range of methods that can be used to prevent data loss

Software deployment

1.1.14 Describe strategies for managing releases and updates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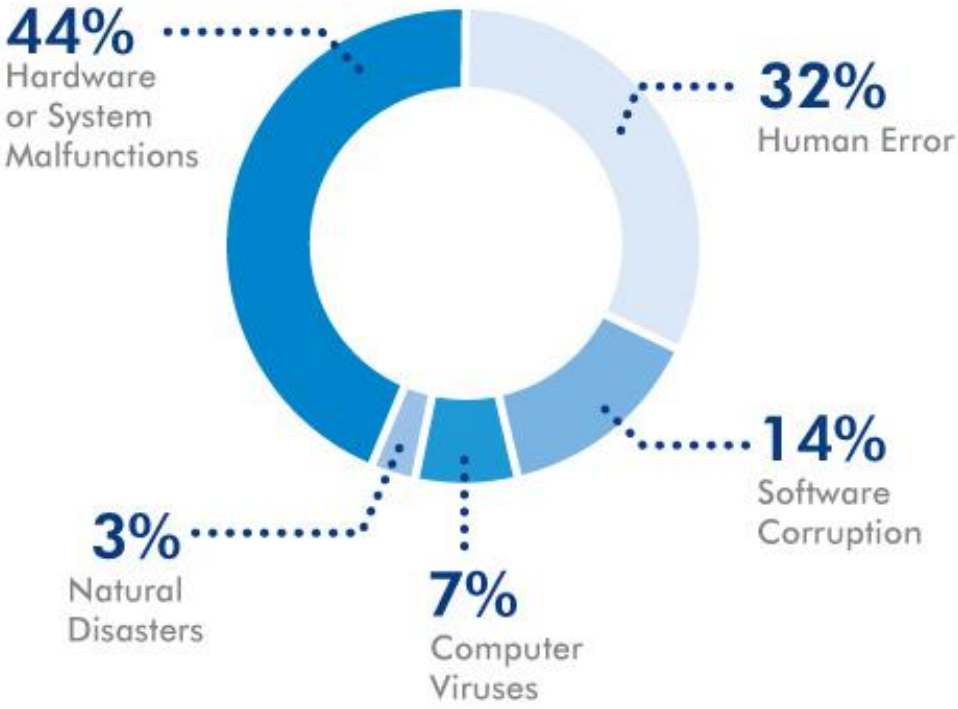
Topic 1.1.11

Identify a range of causes of **data loss**

Leading causes of DATA LOSS

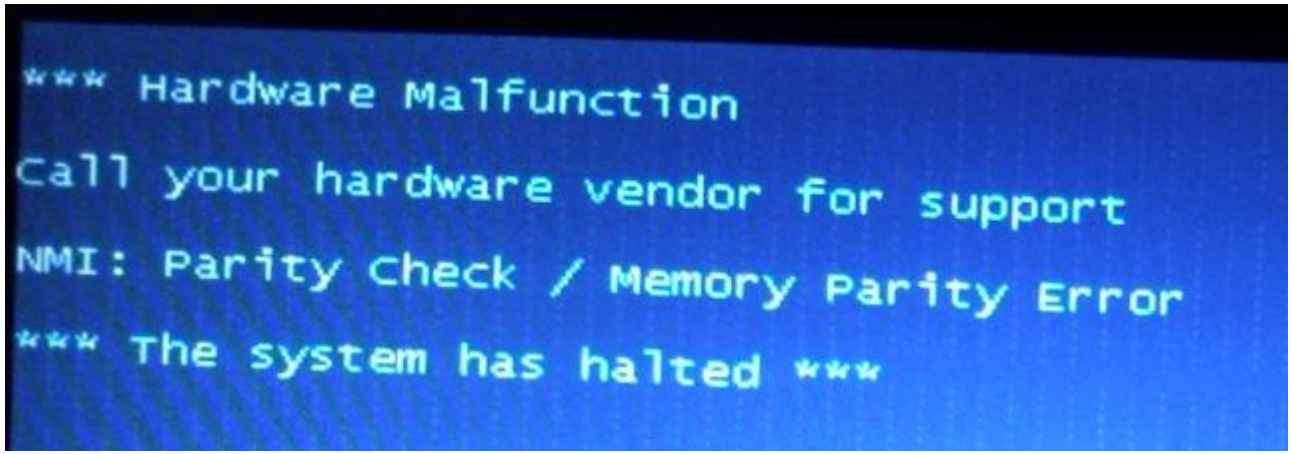


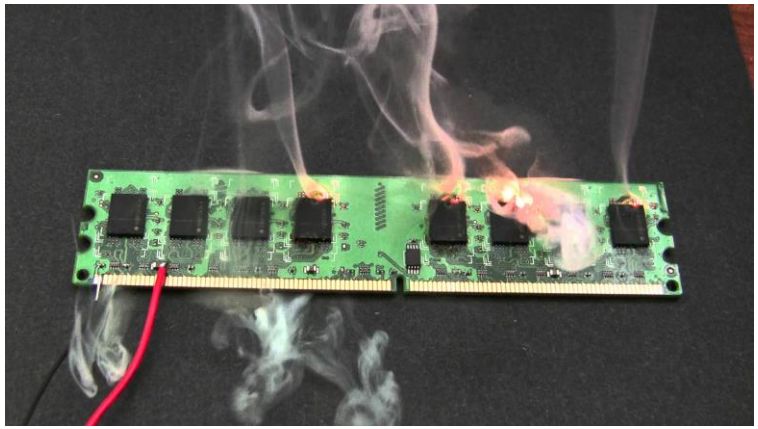
31%

of data loss is due to events beyond user control.

That leaves a lot of room for improvement, folks.

Hardware/System malfunctions

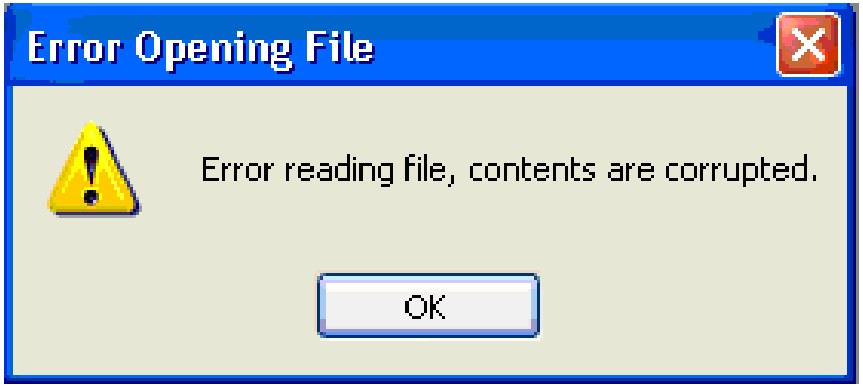




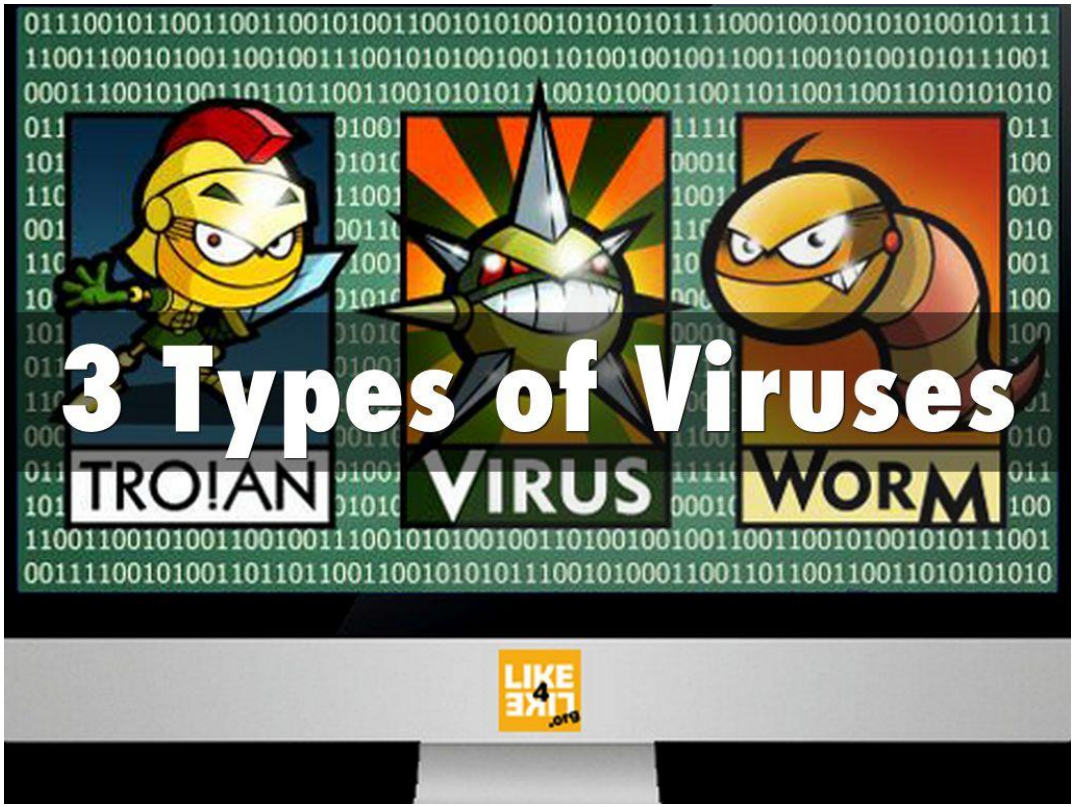
Human error

Examples include: clicking CLOSE instead of SAVE, saving over another file, deleting the wrong file…

Software corruption



Malicious software (Viruses)



Natural disasters

The threat from ‘within’

Malicious activity may be a result of activities by employees within organisations or intruders.