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| |  | | --- | | **Term 1** | | |  | | --- | | **True-or-False? In 1801 a major invention allowed not only keying in parameters of a problem but also storing parameters.** | | | |  | | --- | | **Definition 1** | | |  | | --- | | **True (Page 6)** | | |

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| |  | | --- | | **Term 2** | | |  | | --- | | **Boolean algebra is also known as something else, what is it?** | | | |  | | --- | | **Definition 2** | | |  | | --- | | **Boolean logic (Page 10)** | | |

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| |  | | --- | | **Term 3** | | |  | | --- | | **True-or-False? Vacuum tubes work as the processor for a computer.** | | | |  | | --- | | **Definition 3** | | |  | | --- | | **False (Page 12)** | | |

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| |  | | --- | | **Term 4** | | |  | | --- | | **What does GUI stand for?** | | | |  | | --- | | **Definition 4** | | |  | | --- | | **Graphical user interface (Page 25)** | | |

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| |  | | --- | | **Term 5** | | |  | | --- | | **What is another term for hacker?** | | | |  | | --- | | **Definition 5** | | |  | | --- | | **Cracker (Page 50)** | | |

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| |  | | --- | | **Term 6** | | |  | | --- | | **What does DRP stand for?** | | | |  | | --- | | **Definition 6** | | |  | | --- | | **Disaster recovery plan (Page 61)** | | |

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| |  | | --- | | **Term 7** | | |  | | --- | | **What is another term for virus signature?** | | | |  | | --- | | **Definition 7** | | |  | | --- | | **Virus definition (Page 64)** | | |

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| |  | | --- | | **Term 8** | | |  | | --- | | **True-or-False? Firewalls can be hardware or software.** | | | |  | | --- | | **Definition 8** | | |  | | --- | | **True (Page 69)** | | |

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| |  | | --- | | **Term 9** | | |  | | --- | | **What is ram also known as?** | | | |  | | --- | | **Definition 9** | | |  | | --- | | **SRAM (Page 114)** | | |

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| |  | | --- | | **Term 10** | | |  | | --- | | **What is a bus?** | | | |  | | --- | | **Definition 10** | | |  | | --- | | **A set of wires and rules (Page 117)** | | |

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| |  | | --- | | **Term 11** | | |  | | --- | | **What are the two basic types of memory?** | | | |  | | --- | | **Definition 11** | | |  | | --- | | **ROM and RAM (Page 119)** | | |

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| |  | | --- | | **Term 12** | | |  | | --- | | **What does USB stand for?** | | | |  | | --- | | **Definition 12** | | |  | | --- | | **Universal serial bus (Page 122)** | | |

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| |  | | --- | | **Term 13** | | |  | | --- | | **Why are wires twisted?** | | | |  | | --- | | **Definition 13** | | |  | | --- | | **Inductance (Page 140)** | | |

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| |  | | --- | | **Term 14** | | |  | | --- | | **True-or-False? Fiber optic cables are made of glass.** | | | |  | | --- | | **Definition 14** | | |  | | --- | | **True (Page 141)** | | |

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| |  | | --- | | **Term 15** | | |  | | --- | | **True-or-False? Bluetooth requires a direct wire connection.** | | | |  | | --- | | **Definition 15** | | |  | | --- | | **False (Page 144)** | | |

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| |  | | --- | | **Term 16** | | |  | | --- | | **What is the 4th layer of and ISO layer?** | | | |  | | --- | | **Definition 16** | | |  | | --- | | **Transport (Page 147)** | | |

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| |  | | --- | | **Term 17** | | |  | | --- | | **What does DHCP stand for?** | | | |  | | --- | | **Definition 17** | | |  | | --- | | **Dynamic Host Configuration Protocol (Page 177)** | | |

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| |  | | --- | | **Term 18** | | |  | | --- | | **What network component makes the internet work?** | | | |  | | --- | | **Definition 18** | | |  | | --- | | **A router (Page 178)** | | |

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| |  | | --- | | **Term 19** | | |  | | --- | | **What does SSH stand for?** | | | |  | | --- | | **Definition 19** | | |  | | --- | | **Secure Shell (Page 182)** | | |

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| |  | | --- | | **Term 20** | | |  | | --- | | **What does HTML stand for?** | | | |  | | --- | | **Definition 20** | | |  | | --- | | **Hypertext Markup Language (Page 188)** | | |

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| |  | | --- | | **Term 21** | | |  | | --- | | **What does SQL stand for?** | | | |  | | --- | | **Definition 21** | | |  | | --- | | **Structured Query Language (Page 209)** | | |

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| |  | | --- | | **Term 22** | | |  | | --- | | **What does 2NF stand for?** | | | |  | | --- | | **Definition 22** | | |  | | --- | | **Second normal form (Page 220)** | | |

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| |  | | --- | | **Term 23** | | |  | | --- | | **What does 3NF stand for?** | | | |  | | --- | | **Definition 23** | | |  | | --- | | **Third normal form (Page 222)** | | |

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| |  | | --- | | **Term 24** | | |  | | --- | | **True-or-False? ER stand for entity read.** | | | |  | | --- | | **Definition 24** | | |  | | --- | | **False (Page 228)** | | |

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| |  | | --- | | **Term 25** | | |  | | --- | | **True-or-False? Negative numbers start at the right of the radix point?** | | | |  | | --- | | **Definition 25** | | |  | | --- | | **False (Page 254)** | | |

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| |  | | --- | | **Term 26** | | |  | | --- | | **What is a pixel?** | | | |  | | --- | | **Definition 26** | | |  | | --- | | **A picture element (Page 267)** | | |

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| |  | | --- | | **Term 27** | | |  | | --- | | **True-or-False? A wave is a raw audio file?** | | | |  | | --- | | **Definition 27** | | |  | | --- | | **True (Page 268)** | | |

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| |  | | --- | | **Term 28** | | |  | | --- | | **What does LIFO stand for?** | | | |  | | --- | | **Definition 28** | | |  | | --- | | **Last in first out (Page 295)** | | |

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| |  | | --- | | **Term 29** | | |  | | --- | | **True-or-False? The selection sort is a simple sorting routine that mimics closely how you might sort list values?** | | | |  | | --- | | **Definition 29** | | |  | | --- | | **True (Page 304)** | | |

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| |  | | --- | | **Term 30** | | |  | | --- | | **True-or-False? The bubble sort is and older slower sort method.** | | | |  | | --- | | **Definition 30** | | |  | | --- | | **True (Page 306)** | | |

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| |  | | --- | | **Term 31** | | |  | | --- | | **What does BST stand for?** | | | |  | | --- | | **Definition 31** | | |  | | --- | | **Binary search tree (Page 301)** | | |

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| |  | | --- | | **Term 32** | | |  | | --- | | **Question 1 what does CPU stand for?** | | | |  | | --- | | **Definition 32** | | |  | | --- | | **Central processing Unit(Pg. 19)** | | |

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| |  | | --- | | **Term 33** | | |  | | --- | | **Question 2 what does GUI stand for?** | | | |  | | --- | | **Definition 33** | | |  | | --- | | **Graphical User interface(Pg.25)** | | |

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| |  | | --- | | **Term 34** | | |  | | --- | | **Question 3 what does LAN stand for?** | | | |  | | --- | | **Definition 34** | | |  | | --- | | **Local Area Network (Pg. 29)** | | |

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| |  | | --- | | **Term 35** | | |  | | --- | | **Question 4 what does WAN stand for?** | | | |  | | --- | | **Definition 35** | | |  | | --- | | **Wide Area Network(Pg. 29)** | | |

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| |  | | --- | | **Term 36** | | |  | | --- | | **Question 5 what is a program that actively reproduces itself across a network?** | | | |  | | --- | | **Definition 36** | | |  | | --- | | **Worm(Pg.53)** | | |

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| |  | | --- | | **Term 37** | | |  | | --- | | **Question 6 What program disguises itself as something innocent?** | | | |  | | --- | | **Definition 37** | | |  | | --- | | **Trojan program(Pg. 54)** | | |

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| |  | | --- | | **Term 38** | | |  | | --- | | **Question 7 what does VPN stand for?** | | | |  | | --- | | **Definition 38** | | |  | | --- | | **Virtual private network(pg. 61)** | | |

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| |  | | --- | | **Term 39** | | |  | | --- | | **Question 8 what does AUP stand for?** | | | |  | | --- | | **Definition 39** | | |  | | --- | | **Acceptable Use Policy(pg.61)** | | |

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| |  | | --- | | **Term 40** | | |  | | --- | | **Question 9 What does ROM stand for?** | | | |  | | --- | | **Definition 40** | | |  | | --- | | **Read Only memory (pg. 119)** | | |

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| |  | | --- | | **Term 41** | | |  | | --- | | **Question 10 what does RAM stand for?** | | | |  | | --- | | **Definition 41** | | |  | | --- | | **Random Access Memory(pg. 119)** | | |

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| |  | | --- | | **Term 42** | | |  | | --- | | **Question 11 What does USB stand for?** | | | |  | | --- | | **Definition 42** | | |  | | --- | | **Universal Serial Bus (pg. 122)** | | |

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| |  | | --- | | **Term 43** | | |  | | --- | | **Question 12 what does LCD stand for?** | | | |  | | --- | | **Definition 43** | | |  | | --- | | **Liquid crystal display (Pg. 124)** | | |

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| |  | | --- | | **Term 44** | | |  | | --- | | **Question 13 what is the transmission distance for Bluetooth?** | | | |  | | --- | | **Definition 44** | | |  | | --- | | **33 feet (Pg. 142)** | | |

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| |  | | --- | | **Term 45** | | |  | | --- | | **Question 14 What is the 4th layer in the OSI model?** | | | |  | | --- | | **Definition 45** | | |  | | --- | | **Transport(Pg. 146)** | | |

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| |  | | --- | | **Term 46** | | |  | | --- | | **Question 15 what is the bandwidth of Fast Ethernet?** | | | |  | | --- | | **Definition 46** | | |  | | --- | | **100Mbps(Pg.152)** | | |

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| |  | | --- | | **Term 47** | | |  | | --- | | **Question 16 True or false Ring topology is very effective?** | | | |  | | --- | | **Definition 47** | | |  | | --- | | **FALSE (Pg.151)** | | |

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| |  | | --- | | **Term 48** | | |  | | --- | | **Question 17 How many bits are in flags?** | | | |  | | --- | | **Definition 48** | | |  | | --- | | **6 bits (Pg. 174)** | | |

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| |  | | --- | | **Term 49** | | |  | | --- | | **Question 18 What does IANA stand for?** | | | |  | | --- | | **Definition 49** | | |  | | --- | | **Internet Assigned Numbers Authority (pg. 177)** | | |

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| |  | | --- | | **Term 50** | | |  | | --- | | **Question 19 What does NAT stand for?** | | | |  | | --- | | **Definition 50** | | |  | | --- | | **Network address translation (pg.186)** | | |

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| |  | | --- | | **Term 51** | | |  | | --- | | **Question 21 who is the vender of Access?** | | | |  | | --- | | **Definition 51** | | |  | | --- | | **Microsoft (pg. 210)** | | |

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| |  | | --- | | **Term 52** | | |  | | --- | | **Question 22 what does SQL stand for?** | | | |  | | --- | | **Definition 52** | | |  | | --- | | **Structured Query Language (Pg. 230)** | | |

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| |  | | --- | | **Term 53** | | |  | | --- | | **Question 23 what is Null?** | | | |  | | --- | | **Definition 53** | | |  | | --- | | **Means for the code to stop (Pg. 234)** | | |

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| |  | | --- | | **Term 54** | | |  | | --- | | **Question 24 what does 2NF mean?** | | | |  | | --- | | **Definition 54** | | |  | | --- | | **2nd normal form (Pg. 220)** | | |

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| |  | | --- | | **Term 55** | | |  | | --- | | **Question 25 How many numbers are in hexadecimal?** | | | |  | | --- | | **Definition 55** | | |  | | --- | | **16 (Pg. 260)** | | |

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| |  | | --- | | **Term 56** | | |  | | --- | | **Question 27 what is the symbol for 15 in hexadecimal?** | | | |  | | --- | | **Definition 56** | | |  | | --- | | **F(Pg.258)** | | |

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| |  | | --- | | **Term 57** | | |  | | --- | | **Question 28 what is the symbol for 13 in hexadecimal?** | | | |  | | --- | | **Definition 57** | | |  | | --- | | **C(Pg. 259)** | | |

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| |  | | --- | | **Term 58** | | |  | | --- | | **Question 29 what does LIFO stand for?** | | | |  | | --- | | **Definition 58** | | |  | | --- | | **Last in, First out (Pg. 295)** | | |

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| |  | | --- | | **Term 59** | | |  | | --- | | **Question 30 what does FIFO stand for?** | | | |  | | --- | | **Definition 59** | | |  | | --- | | **First in, First out (Pg 2970** | | |

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| |  | | --- | | **Term 60** | | |  | | --- | | **Question 31 what does BST stand for?** | | | |  | | --- | | **Definition 60** | | |  | | --- | | **Binary search tree (Pg. 301)** | | |

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| |  | | --- | | **Term 61** | | |  | | --- | | **Question 32 what is recursion?** | | | |  | | --- | | **Definition 61** | | |  | | --- | | **The process of a routine calling itself (Pg 310)** | | |

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| |  | | --- | | **Term 62** | | |  | | --- | | **How many 10-digit numbers could the ENIAC’s memory hold?** | | | |  | | --- | | **Definition 62** | | |  | | --- | | **20 (page 11)** | | |

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| |  | | --- | | **Term 63** | | |  | | --- | | **What term is used to describe all first-generation computers?** | | | |  | | --- | | **Definition 63** | | |  | | --- | | **Mainframe (page 15)** | | |

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| |  | | --- | | **Term 64** | | |  | | --- | | **The operating system manages all of the computer’s jobs.** | | | |  | | --- | | **Definition 64** | | |  | | --- | | **True (page 16)** | | |

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| |  | | --- | | **Term 65** | | |  | | --- | | **The GUI is the text based input interface.** | | | |  | | --- | | **Definition 65** | | |  | | --- | | **False (page 25)** | | |

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| |  | | --- | | **Term 66** | | |  | | --- | | **A Trojan horse refers to Greeks strategy to enter the city of Troy.** | | | |  | | --- | | **Definition 66** | | |  | | --- | | **False (page 54)** | | |

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| |  | | --- | | **Term 67** | | |  | | --- | | **What is the job of a firewall?** | | | |  | | --- | | **Definition 67** | | |  | | --- | | **Filter out authorized packets. page 69)** | | |

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| |  | | --- | | **Term 68** | | |  | | --- | | **How long would it take for a person to guess a 2 digit password with characters between A and Z?** | | | |  | | --- | | **Definition 68** | | |  | | --- | | **6 minutes (page 62)** | | |

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| |  | | --- | | **Term 69** | | |  | | --- | | **Installing Antivirus will prevent you from downloading malicious software.** | | | |  | | --- | | **Definition 69** | | |  | | --- | | **False (page 64)** | | |

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| |  | | --- | | **Term 70** | | |  | | --- | | **The CPU is the actual Computer in your computer.** | | | |  | | --- | | **Definition 70** | | |  | | --- | | **True (page 101)** | | |

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| |  | | --- | | **Term 71** | | |  | | --- | | **What does NOR stand for?** | | | |  | | --- | | **Definition 71** | | |  | | --- | | **A logical Not and a logical or. (page 109)** | | |

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| |  | | --- | | **Term 72** | | |  | | --- | | **What 2 types of memory are there?** | | | |  | | --- | | **Definition 72** | | |  | | --- | | **RAM and ROM. (page 119)** | | |

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| |  | | --- | | **Term 73** | | |  | | --- | | **LCD monitors have a large back end.** | | | |  | | --- | | **Definition 73** | | |  | | --- | | **False (page 124)** | | |

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| |  | | --- | | **Term 74** | | |  | | --- | | **What type of rate is bandwidth measured?** | | | |  | | --- | | **Definition 74** | | |  | | --- | | **Bits per second. (page 138)** | | |

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| |  | | --- | | **Term 75** | | |  | | --- | | **Instead of electricity, what does fiber optic use?** | | | |  | | --- | | **Definition 75** | | |  | | --- | | **Light (page 141)** | | |

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| |  | | --- | | **Term 76** | | |  | | --- | | **What does TCP stand for?** | | | |  | | --- | | **Definition 76** | | |  | | --- | | **Transmission Control Protocol. (page 146)** | | |

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| |  | | --- | | **Term 77** | | |  | | --- | | **LAN is many computers spread over a large area.** | | | |  | | --- | | **Definition 77** | | |  | | --- | | **False (page 149)** | | |

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| |  | | --- | | **Term 78** | | |  | | --- | | **What is the internet?** | | | |  | | --- | | **Definition 78** | | |  | | --- | | **A large collection of networks on a huge WAN. (page 172)** | | |

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| |  | | --- | | **Term 79** | | |  | | --- | | **IP addresses are unique to each network device.** | | | |  | | --- | | **Definition 79** | | |  | | --- | | **True (page 175)** | | |

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| |  | | --- | | **Term 80** | | |  | | --- | | **What is the network hardware that makes the internet work?** | | | |  | | --- | | **Definition 80** | | |  | | --- | | **Router (page 178)** | | |

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| |  | | --- | | **Term 81** | | |  | | --- | | **In http, the title is shown on the webpage.** | | | |  | | --- | | **Definition 81** | | |  | | --- | | **False (page 192)** | | |

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| |  | | --- | | **Term 82** | | |  | | --- | | **A one-to-many relationship is the most common relationship.** | | | |  | | --- | | **Definition 82** | | |  | | --- | | **True (page 227)** | | |

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| |  | | --- | | **Term 83** | | |  | | --- | | **What command is used to sort in SQL?** | | | |  | | --- | | **Definition 83** | | |  | | --- | | **ORDER BY (page 238)** | | |

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| |  | | --- | | **Term 84** | | |  | | --- | | **SQL has a shorter training time.** | | | |  | | --- | | **Definition 84** | | |  | | --- | | **True (page 230)** | | |

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| |  | | --- | | **Term 85** | | |  | | --- | | **Define “composite key”.** | | | |  | | --- | | **Definition 85** | | |  | | --- | | **A primary key made up of more than one column. (page 220)** | | |

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| |  | | --- | | **Term 86** | | |  | | --- | | **How many positional values do hexadecimal have?** | | | |  | | --- | | **Definition 86** | | |  | | --- | | **16 (page 260)** | | |

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| |  | | --- | | **Term 87** | | |  | | --- | | **What is a group of 4 bits called?** | | | |  | | --- | | **Definition 87** | | |  | | --- | | **A nibble (page 262)** | | |

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| |  | | --- | | **Term 88** | | |  | | --- | | **Which letters are used to represent 10 – 16 in hexadecimal?** | | | |  | | --- | | **Definition 88** | | |  | | --- | | **A-F (page 253)** | | |

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| |  | | --- | | **Term 89** | | |  | | --- | | **The type of numbering system that computers use is called what?** | | | |  | | --- | | **Definition 89** | | |  | | --- | | **Binary (page 253)** | | |

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| |  | | --- | | **Term 90** | | |  | | --- | | **What is a disadvantage of using and array?** | | | |  | | --- | | **Definition 90** | | |  | | --- | | **A lot of power can be expended. (page 289)** | | |

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| |  | | --- | | **Term 91** | | |  | | --- | | **A pointer is memory containing the address of a memory cell.** | | | |  | | --- | | **Definition 91** | | |  | | --- | | **True (page 291)** | | |

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| |  | | --- | | **Term 92** | | |  | | --- | | **Removing an item from a stack is called pushed.** | | | |  | | --- | | **Definition 92** | | |  | | --- | | **False (page 295)** | | |

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| |  | | --- | | **Term 93** | | |  | | --- | | **The farther you are away from the root of a tree is called what?** | | | |  | | --- | | **Definition 93** | | |  | | --- | | **The depth or level. (page 300)** | | |

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| |  | | --- | | **Term 94** | | |  | | --- | | **What electrical component did early computers use before transistors? (chp. 1)** | | | |  | | --- | | **Definition 94** | | |  | | --- | | **Vacuum Tube (pg. 10)** | | |

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| |  | | --- | | **Term 95** | | |  | | --- | | **What is the name of the first computer to be used commercially? (chp. 1)** | | | |  | | --- | | **Definition 95** | | |  | | --- | | **UNIVAC (pg. 13)** | | |

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| |  | | --- | | **Term 96** | | |  | | --- | | **What was the name of the first killer app? (chp. 1)** | | | |  | | --- | | **Definition 96** | | |  | | --- | | **VisiCalc (pg. 23)** | | |

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| |  | | --- | | **Term 97** | | |  | | --- | | **True or False? A supercomputer is a small computer designed to be used by one person at a time. (chp. 1)** | | | |  | | --- | | **Definition 97** | | |  | | --- | | **False (pg. 27)** | | |

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| |  | | --- | | **Term 98** | | |  | | --- | | **True or False? Biometrics are commonly known facts. (chp. 2)** | | | |  | | --- | | **Definition 98** | | |  | | --- | | **False (pg. 63)** | | |

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| |  | | --- | | **Term 99** | | |  | | --- | | **What kind of program can gather information and store it on a user's machine? (chp. 2)** | | | |  | | --- | | **Definition 99** | | |  | | --- | | **Cookie (pg. 85)** | | |

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| |  | | --- | | **Term 100** | | |  | | --- | | **What can a patent protect? (chp. 2)** | | | |  | | --- | | **Definition 100** | | |  | | --- | | **Inventions, workings of a device, or a process (pg. 73)** | | |

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| |  | | --- | | **Term 101** | | |  | | --- | | **What do we call unsolicited emails? (chp. 2)** | | | |  | | --- | | **Definition 101** | | |  | | --- | | **Spam (pg. 84)** | | |

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| |  | | --- | | **Term 102** | | |  | | --- | | **List the six logic gates. (chp. 3)** | | | |  | | --- | | **Definition 102** | | |  | | --- | | **AND, OR, NOT, NAND, NOR, XOR (pg. 106-110)** | | |

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| |  | | --- | | **Term 103** | | |  | | --- | | **What are the two types of memory? (chp. 3)** | | | |  | | --- | | **Definition 103** | | |  | | --- | | **ROM and RAM (pg. 119)** | | |

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| |  | | --- | | **Term 104** | | |  | | --- | | **Which part of a computer executes the instructions? (chp. 3)** | | | |  | | --- | | **Definition 104** | | |  | | --- | | **The CPU (pg. 101)** | | |

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| |  | | --- | | **Term 105** | | |  | | --- | | **What type of material are transistors made of? (chp. 3)** | | | |  | | --- | | **Definition 105** | | |  | | --- | | **Semiconductors (pg. 103)** | | |

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| |  | | --- | | **Term 106** | | |  | | --- | | **What is the difference between guided media and unguided media? (chp. 4)** | | | |  | | --- | | **Definition 106** | | |  | | --- | | **Guided media is a physical transmission media. Unguided media is not visible and carry radio or light signals. (pg. 139)** | | |

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| |  | | --- | | **Term 107** | | |  | | --- | | **What is the fastest Ethernet networking cable? (chp. 4)** | | | |  | | --- | | **Definition 107** | | |  | | --- | | **10GBaseT (pg. 141)** | | |

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| |  | | --- | | **Term 108** | | |  | | --- | | **What organization creates networking standards? (chp. 4)** | | | |  | | --- | | **Definition 108** | | |  | | --- | | **IEEE(Institute of Electrical and Electronics Engineers) (pg. 144)** | | |

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| |  | | --- | | **Term 109** | | |  | | --- | | **How many layers are in the OSI Model? (chp. 4)** | | | |  | | --- | | **Definition 109** | | |  | | --- | | **7: Physical, Data Link, Network, Transport, Session, Presentation, Application (pg. 147)** | | |

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| |  | | --- | | **Term 110** | | |  | | --- | | **How many bits are used in an IPv6 address? (chp. 5)** | | | |  | | --- | | **Definition 110** | | |  | | --- | | **128 bits (pg. 175)** | | |

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| |  | | --- | | **Term 111** | | |  | | --- | | **How many bits are used in an IPv4 address? (chp. 5)** | | | |  | | --- | | **Definition 111** | | |  | | --- | | **32 bits (pg. 175)** | | |

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| |  | | --- | | **Term 112** | | |  | | --- | | **Which protocol allows for the transfer files on the World Wide Web? (chp. 5)** | | | |  | | --- | | **Definition 112** | | |  | | --- | | **HTTP (pg. 173)** | | |

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| |  | | --- | | **Term 113** | | |  | | --- | | **What does SMTP stand for? (chp. 5)** | | | |  | | --- | | **Definition 113** | | |  | | --- | | **Simple Main Transfer Protocol (pg. 181)** | | |

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| |  | | --- | | **Term 114** | | |  | | --- | | **What language is used to modify, query, and extract information from a database? (chp. 6)** | | | |  | | --- | | **Definition 114** | | |  | | --- | | **SQL (pg. 209)** | | |

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| |  | | --- | | **Term 115** | | |  | | --- | | **What is a domain for a column? (chp. 6)** | | | |  | | --- | | **Definition 115** | | |  | | --- | | **It is a set of possible values (pg. 212)** | | |

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| |  | | --- | | **Term 116** | | |  | | --- | | **What uniquely identifies each record in a database? (chp. 6)** | | | |  | | --- | | **Definition 116** | | |  | | --- | | **The Primary Key (pg. 219)** | | |

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| |  | | --- | | **Term 117** | | |  | | --- | | **What is a composit key? (chp. 6)** | | | |  | | --- | | **Definition 117** | | |  | | --- | | **It is a primary key that is made up of more than one column (pg. 220)** | | |

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| |  | | --- | | **Term 118** | | |  | | --- | | **How many digits are in the hexadecimal numbering system? (chp. 7)** | | | |  | | --- | | **Definition 118** | | |  | | --- | | **16 digits (pg. 253)** | | |

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| |  | | --- | | **Term 119** | | |  | | --- | | **What is 'bit' an abbreviation for? (chp. 7)** | | | |  | | --- | | **Definition 119** | | |  | | --- | | **Binary Digit (pg. 262)** | | |

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| |  | | --- | | **Term 120** | | |  | | --- | | **How many bytes is a nibble? (chp. 7)** | | | |  | | --- | | **Definition 120** | | |  | | --- | | **One half or 0.5 (pg. 262)** | | |

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| |  | | --- | | **Term 121** | | |  | | --- | | **How many bits does a Unicode character occupy? (chp. 7)** | | | |  | | --- | | **Definition 121** | | |  | | --- | | **16 bits (pg. 266)** | | |

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| |  | | --- | | **Term 122** | | |  | | --- | | **True or False? It is possible to have an array that contains both integer and floating point numbers. (chp. 8)** | | | |  | | --- | | **Definition 122** | | |  | | --- | | **False, they must be the same type(pg. 280)** | | |

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| |  | | --- | | **Term 123** | | |  | | --- | | **True or False? It is possible to have a 12-dimensional array. (chp. 8)** | | | |  | | --- | | **Definition 123** | | |  | | --- | | **True. (pg. 285)** | | |

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| |  | | --- | | **Term 124** | | |  | | --- | | **What does it mean to push an item onto a stack? (chp. 8)** | | | |  | | --- | | **Definition 124** | | |  | | --- | | **It means to put an item onto the stack. (pg. 295)** | | |

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| |  | | --- | | **Term 125** | | |  | | --- | | **What is 'peeking'? (chp. 8)** | | | |  | | --- | | **Definition 125** | | |  | | --- | | **Looking at the top item in a stack without removing it from the stack. (pg. 295)** | | |

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| |  | | --- | | **Term 126** | | |  | | --- | | **What is the major invention that allowed not only keying in the parameters of a problem, but also storing parameters and using them whenever needed?** | | | |  | | --- | | **Definition 126** | | |  | | --- | | **The Jacquard loom (Page 6)** | | |

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| |  | | --- | | **Term 127** | | |  | | --- | | **Who created the Jacquard loom?** | | | |  | | --- | | **Definition 127** | | |  | | --- | | **Joseph Jacquard (Page 7)** | | |

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| |  | | --- | | **Term 128** | | |  | | --- | | **True or False? The Difference Engine did addition, subtraction, multiplication, and division of six-digit numbers.** | | | |  | | --- | | **Definition 128** | | |  | | --- | | **True (Page 8)** | | |

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| |  | | --- | | **Term 129** | | |  | | --- | | **What is Memory?** | | | |  | | --- | | **Definition 129** | | |  | | --- | | **A place where numbers could be stored while they were worked on (Page 8)** | | |

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| |  | | --- | | **Term 130** | | |  | | --- | | **True or False? A script kiddie is a professional hacker who creates his own hacking tools.** | | | |  | | --- | | **Definition 130** | | |  | | --- | | **False (Page 51)** | | |

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| |  | | --- | | **Term 131** | | |  | | --- | | **True or False? A Trojan is a type of virus.** | | | |  | | --- | | **Definition 131** | | |  | | --- | | **True (Page 53)** | | |

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| |  | | --- | | **Term 132** | | |  | | --- | | **True or False? Social engineering is basically a con.** | | | |  | | --- | | **Definition 132** | | |  | | --- | | **True (Page 54)** | | |

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| |  | | --- | | **Term 133** | | |  | | --- | | **What is the sensitivity of information combined with the skill level the attacker needs to threaten that information?** | | | |  | | --- | | **Definition 133** | | |  | | --- | | **Vulnerability (Page 57)** | | |

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| |  | | --- | | **Term 134** | | |  | | --- | | **What is a CPU?** | | | |  | | --- | | **Definition 134** | | |  | | --- | | **The actual "computer" in the computer (Page 101)** | | |

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| |  | | --- | | **Term 135** | | |  | | --- | | **What is a semiconductor?** | | | |  | | --- | | **Definition 135** | | |  | | --- | | **A medium that's neither a good insulator nor a good conductor of electricity (Page 103)** | | |

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| |  | | --- | | **Term 136** | | |  | | --- | | **What is used to construct transistors?** | | | |  | | --- | | **Definition 136** | | |  | | --- | | **Semiconductors (Page 103)** | | |

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| |  | | --- | | **Term 137** | | |  | | --- | | **True or False? An OR gate is a boolean operator that returns a true value only if both operands are true.** | | | |  | | --- | | **Definition 137** | | |  | | --- | | **False (Page 106)** | | |

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| |  | | --- | | **Term 138** | | |  | | --- | | **What is bandwidth usually measured in?** | | | |  | | --- | | **Definition 138** | | |  | | --- | | **Bits per second (Page 138)** | | |

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| |  | | --- | | **Term 139** | | |  | | --- | | **True or False? Guided media is physical transmission media.** | | | |  | | --- | | **Definition 139** | | |  | | --- | | **True (Page 139)** | | |

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| |  | | --- | | **Term 140** | | |  | | --- | | **True or False? Cat 5 is an ethernet cable.** | | | |  | | --- | | **Definition 140** | | |  | | --- | | **True (Page 141)** | | |

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| |  | | --- | | **Term 141** | | |  | | --- | | **True or False? The ISO OSI reference model consists of two layers.** | | | |  | | --- | | **Definition 141** | | |  | | --- | | **False (Page 147)** | | |

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| |  | | --- | | **Term 142** | | |  | | --- | | **What does ISP stand for?** | | | |  | | --- | | **Definition 142** | | |  | | --- | | **Internet service provider (Page 172)** | | |

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| |  | | --- | | **Term 143** | | |  | | --- | | **True or False? SMTP is used in sending e-mail.** | | | |  | | --- | | **Definition 143** | | |  | | --- | | **True (Page 173)** | | |

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| |  | | --- | | **Term 144** | | |  | | --- | | **True or False? An IP address is 64-bit.** | | | |  | | --- | | **Definition 144** | | |  | | --- | | **False (Page 175)** | | |

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| |  | | --- | | **Term 145** | | |  | | --- | | **What is the address 127.0.0.1 reserved for?** | | | |  | | --- | | **Definition 145** | | |  | | --- | | **Testing as a loopback address (Page 176)** | | |

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| |  | | --- | | **Term 146** | | |  | | --- | | **True or False? Data is logically related in a database.** | | | |  | | --- | | **Definition 146** | | |  | | --- | | **True (Page 207)** | | |

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| |  | | --- | | **Term 147** | | |  | | --- | | **True or False? Data is arranged in rows and columns in a DBMS.** | | | |  | | --- | | **Definition 147** | | |  | | --- | | **True (Page 211)** | | |

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| |  | | --- | | **Term 148** | | |  | | --- | | **What is a domain?** | | | |  | | --- | | **Definition 148** | | |  | | --- | | **A set of possible values for a column (Page 212)** | | |

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| |  | | --- | | **Term 149** | | |  | | --- | | **What is a composite key?** | | | |  | | --- | | **Definition 149** | | |  | | --- | | **A primary key made up of more than one column (Page 220)** | | |

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| |  | | --- | | **Term 150** | | |  | | --- | | **True or False? Binary is a base 3 numbering system.** | | | |  | | --- | | **Definition 150** | | |  | | --- | | **False (Page 253)** | | |

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| |  | | --- | | **Term 151** | | |  | | --- | | **What does hex stand for?** | | | |  | | --- | | **Definition 151** | | |  | | --- | | **Hexadecimal (Page 253)** | | |

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| |  | | --- | | **Term 152** | | |  | | --- | | **What is the smallest unit of representation in a computer system?** | | | |  | | --- | | **Definition 152** | | |  | | --- | | **A bit (Page 262)** | | |

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| |  | | --- | | **Term 153** | | |  | | --- | | **How many bits are in a nibble?** | | | |  | | --- | | **Definition 153** | | |  | | --- | | **4 bits (Page 262)** | | |

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| |  | | --- | | **Term 154** | | |  | | --- | | **What is a data structure?** | | | |  | | --- | | **Definition 154** | | |  | | --- | | **A way of organizing data in memory (Page 279)** | | |

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| |  | | --- | | **Term 155** | | |  | | --- | | **What is an array?** | | | |  | | --- | | **Definition 155** | | |  | | --- | | **A set of contiguous memory cells used for storing the same type of data. (Page 280)** | | |

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| |  | | --- | | **Term 156** | | |  | | --- | | **What is an offset used for?** | | | |  | | --- | | **Definition 156** | | |  | | --- | | **To specify the distance between memory locations (Page 283)** | | |

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| |  | | --- | | **Term 157** | | |  | | --- | | **True or False? A null value is zero.** | | | |  | | --- | | **Definition 157** | | |  | | --- | | **False (Page 292)** | | |

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| |  | | --- | | **Term 158** | | |  | | --- | | **What is computer hardware?** | | | |  | | --- | | **Definition 158** | | |  | | --- | | **The physical device on which software runs.(Page 12)** | | |

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| |  | | --- | | **Term 159** | | |  | | --- | | **What device replaced the vacuum tube?** | | | |  | | --- | | **Definition 159** | | |  | | --- | | **Transistor.(Page 16)** | | |

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| |  | | --- | | **Term 160** | | |  | | --- | | **What is a supercomputer?** | | | |  | | --- | | **Definition 160** | | |  | | --- | | **The fastest and usually most expensive computer available.(Page 27)** | | |

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| |  | | --- | | **Term 161** | | |  | | --- | | **What is a microprocessor?** | | | |  | | --- | | **Definition 161** | | |  | | --- | | **A CPU on a single chip used in microcomputers.(Page 19)** | | |

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| |  | | --- | | **Term 162** | | |  | | --- | | **What is a computer cracker?** | | | |  | | --- | | **Definition 162** | | |  | | --- | | **An unwelcome system intruder with malicious intent.(Page 50)** | | |

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| |  | | --- | | **Term 163** | | |  | | --- | | **What is an undirected hacker?** | | | |  | | --- | | **Definition 163** | | |  | | --- | | **A cracker motivated by the challenge of breaking into a system.(Page 50)** | | |

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| |  | | --- | | **Term 164** | | |  | | --- | | **What is a backdoor?** | | | |  | | --- | | **Definition 164** | | |  | | --- | | **Shortcuts into programs created by system designers to facilitate system maintenance but used and abused by crackers.(Page 52)** | | |

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| |  | | --- | | **Term 165** | | |  | | --- | | **What is hacktivism?** | | | |  | | --- | | **Definition 165** | | |  | | --- | | **Cracking into a system as a political act.(Page 51)** | | |

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| |  | | --- | | **Term 166** | | |  | | --- | | **What are the main Boolean operators?** | | | |  | | --- | | **Definition 166** | | |  | | --- | | **AND, OR, and NOT.(Page 104)** | | |

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| |  | | --- | | **Term 167** | | |  | | --- | | **What is an adder?** | | | |  | | --- | | **Definition 167** | | |  | | --- | | **The circuit in the CPU responsible for adding binary numbers.(Page 111)** | | |

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| |  | | --- | | **Term 168** | | |  | | --- | | **What is a bus?** | | | |  | | --- | | **Definition 168** | | |  | | --- | | **A collection of conductors, connectors, and protocols that facilitates communication between the CPU, memory, and I/O devices.(Page 117)** | | |

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| |  | | --- | | **Term 169** | | |  | | --- | | **What does ROM stand for?** | | | |  | | --- | | **Definition 169** | | |  | | --- | | **Read only memory.(119)** | | |

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| |  | | --- | | **Term 170** | | |  | | --- | | **What is a transmission medium?** | | | |  | | --- | | **Definition 170** | | |  | | --- | | **A material with the capability to conduct electrical and/or electromagnetic signals.(Page 138)** | | |

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| |  | | --- | | **Term 171** | | |  | | --- | | **What is a guided media?** | | | |  | | --- | | **Definition 171** | | |  | | --- | | **Physical transmission media, such as wire or cable.(Page 139)** | | |

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| |  | | --- | | **Term 172** | | |  | | --- | | **What is an unguided media?** | | | |  | | --- | | **Definition 172** | | |  | | --- | | **Transmission media you can’t see.(Page 139)** | | |

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| |  | | --- | | **Term 173** | | |  | | --- | | **What is a fiber optic cable?** | | | |  | | --- | | **Definition 173** | | |  | | --- | | **Guided network cable consisting of bundles of thin glass strands surrounded by a protective plastic sheath.(Page 141)** | | |

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| |  | | --- | | **Term 174** | | |  | | --- | | **What is Internet Protocol?** | | | |  | | --- | | **Definition 174** | | |  | | --- | | **The protocol that provides for addressing and routing internet packets from one computer to another.(Page 174)** | | |

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| |  | | --- | | **Term 175** | | |  | | --- | | **What is a router?** | | | |  | | --- | | **Definition 175** | | |  | | --- | | **A device or software in a computer that determines the next network point to which a packet should be forward.(Page 178)** | | |

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| |  | | --- | | **Term 176** | | |  | | --- | | **What is a domain name?** | | | |  | | --- | | **Definition 176** | | |  | | --- | | **A name used to locate the IP address of an organization or other entity on the internet.(Page 183)** | | |

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| |  | | --- | | **Term 177** | | |  | | --- | | **What is a hyperlink?** | | | |  | | --- | | **Definition 177** | | |  | | --- | | **A link that allows users to select a connection from one word, picture, or information object to another.(Page 191)** | | |

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| |  | | --- | | **Term 178** | | |  | | --- | | **What is a database?** | | | |  | | --- | | **Definition 178** | | |  | | --- | | **Data that has been logically related and organized into a file or set of files to allow access and use.(Page 207)** | | |

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| |  | | --- | | **Term 179** | | |  | | --- | | **What is an index?** | | | |  | | --- | | **Definition 179** | | |  | | --- | | **A special file that occupies its own space and specifies one or more columns that determine how information stored in the table can be accessed more efficiently.(Page 213)** | | |

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| |  | | --- | | **Term 180** | | |  | | --- | | **What is a domain?** | | | |  | | --- | | **Definition 180** | | |  | | --- | | **Set of possible values for a column.(Page 212)** | | |

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| |  | | --- | | **Term 181** | | |  | | --- | | **What is normalization?** | | | |  | | --- | | **Definition 181** | | |  | | --- | | **A database design process that structures tables to eliminate duplication and inconsistencies in the data structure.(Page 216)** | | |

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| |  | | --- | | **Term 182** | | |  | | --- | | **What is the binary counting method?** | | | |  | | --- | | **Definition 182** | | |  | | --- | | **Numbering system with two digits, 0 and 1.(Page 253)** | | |

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| |  | | --- | | **Term 183** | | |  | | --- | | **What is a positional value?** | | | |  | | --- | | **Definition 183** | | |  | | --- | | **The numerical value each position in a number has.(Page 254)** | | |

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| |  | | --- | | **Term 184** | | |  | | --- | | **What is a Unicode?** | | | |  | | --- | | **Definition 184** | | |  | | --- | | **A 16 bit standard for storing text or script information.(Page 266)** | | |

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| |  | | --- | | **Term 185** | | |  | | --- | | **What is a pixel?** | | | |  | | --- | | **Definition 185** | | |  | | --- | | **The basic unit of programmable color on a computer display or in a computer image.(Page 267)** | | |

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| |  | | --- | | **Term 186** | | |  | | --- | | **What is a data structure?** | | | |  | | --- | | **Definition 186** | | |  | | --- | | **A way of organizing data in memory, such as arrays, lists, stacks, queues, and trees.(Page 278)** | | |

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| |  | | --- | | **Term 187** | | |  | | --- | | **What is an array?** | | | |  | | --- | | **Definition 187** | | |  | | --- | | **A set of contiguous memory cells used for storing the same type of data.(Page 280)** | | |

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| |  | | --- | | **Term 188** | | |  | | --- | | **What is an element?** | | | |  | | --- | | **Definition 188** | | |  | | --- | | **A memory cell in an array.(Page 282)** | | |

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| |  | | --- | | **Term 189** | | |  | | --- | | **What is the highest position in an array?** | | | |  | | --- | | **Definition 189** | | |  | | --- | | **Upper bound.(Page 284)** | | |

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| |  | | --- | | **Term 190** | | |  | | --- | | **In which generation of computers did the transistor begin use?** | | | |  | | --- | | **Definition 190** | | |  | | --- | | **Second Generation (page 16)** | | |

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| |  | | --- | | **Term 191** | | |  | | --- | | **In which generation of computers did the circuit board begin use?** | | | |  | | --- | | **Definition 191** | | |  | | --- | | **Third Generation (page 16)** | | |

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| |  | | --- | | **Term 192** | | |  | | --- | | **True or false? The Altair 8800 was the first computer to use a mouse.** | | | |  | | --- | | **Definition 192** | | |  | | --- | | **False (page 20)** | | |

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| |  | | --- | | **Term 193** | | |  | | --- | | **True or false? Bill Gates started Apple with Steve Wozniak.** | | | |  | | --- | | **Definition 193** | | |  | | --- | | **False (page 22)** | | |

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| |  | | --- | | **Term 194** | | |  | | --- | | **True or false? The term "Hacker" has always been a negative thing.** | | | |  | | --- | | **Definition 194** | | |  | | --- | | **False (page 50)** | | |

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| |  | | --- | | **Term 195** | | |  | | --- | | **Who usually creates backdoors in a computer system?** | | | |  | | --- | | **Definition 195** | | |  | | --- | | **Programmers and administrators (page 52)** | | |

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| |  | | --- | | **Term 196** | | |  | | --- | | **Code that is designed to do bad things to a computer system is called what?** | | | |  | | --- | | **Definition 196** | | |  | | --- | | **Malicious code (page 53)** | | |

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| |  | | --- | | **Term 197** | | |  | | --- | | **A program that actively reproduces itself across a network is called what?** | | | |  | | --- | | **Definition 197** | | |  | | --- | | **Worm (page 53)** | | |

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| |  | | --- | | **Term 198** | | |  | | --- | | **True or false? Adding numbers is one of the functions of a CPU.** | | | |  | | --- | | **Definition 198** | | |  | | --- | | **True (page 103)** | | |

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| |  | | --- | | **Term 199** | | |  | | --- | | **What are the three Boolean Operators?** | | | |  | | --- | | **Definition 199** | | |  | | --- | | **AND, OR, NOT (page 104)** | | |

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| |  | | --- | | **Term 200** | | |  | | --- | | **True or false? Decoder circuits are used for addressing memory.** | | | |  | | --- | | **Definition 200** | | |  | | --- | | **True (page 112)** | | |

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| |  | | --- | | **Term 201** | | |  | | --- | | **What are the two basic types of memory?** | | | |  | | --- | | **Definition 201** | | |  | | --- | | **ROM (Read only memory) and Ram (Random access memory) (page 119)** | | |

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| |  | | --- | | **Term 202** | | |  | | --- | | **True or false? Unguided media uses wires to carry data.** | | | |  | | --- | | **Definition 202** | | |  | | --- | | **False (page 139)** | | |

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| |  | | --- | | **Term 203** | | |  | | --- | | **The proportion of signal compared to noise is called what?** | | | |  | | --- | | **Definition 203** | | |  | | --- | | **Signal-to-noise ratio (page 138)** | | |

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| |  | | --- | | **Term 204** | | |  | | --- | | **What is Attenuation?** | | | |  | | --- | | **Definition 204** | | |  | | --- | | **The tendency of a signal to become weaker over distance (page 138)** | | |

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| |  | | --- | | **Term 205** | | |  | | --- | | **True or false? FM stands for "Focused Media."** | | | |  | | --- | | **Definition 205** | | |  | | --- | | **False -- FM stands for Frequency Modulation (page 155)** | | |

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| |  | | --- | | **Term 206** | | |  | | --- | | **What does FTP stand for?** | | | |  | | --- | | **Definition 206** | | |  | | --- | | **File Transfer Protocol (page 181)** | | |

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| |  | | --- | | **Term 207** | | |  | | --- | | **A name used to locate the IP address of an organization or other entity on the internet is called what?** | | | |  | | --- | | **Definition 207** | | |  | | --- | | **Domain Name (page 183)** | | |

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| |  | | --- | | **Term 208** | | |  | | --- | | **What does NAT stand for?** | | | |  | | --- | | **Definition 208** | | |  | | --- | | **Network Address Translation (pate 186)** | | |

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| |  | | --- | | **Term 209** | | |  | | --- | | **What language is used to create web pages?** | | | |  | | --- | | **Definition 209** | | |  | | --- | | **HTML (page 188)** | | |

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| |  | | --- | | **Term 210** | | |  | | --- | | **Data that has been organized and logically related to allow access, retrieval, and use of that data is called what?** | | | |  | | --- | | **Definition 210** | | |  | | --- | | **Database (page 207)** | | |

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| |  | | --- | | **Term 211** | | |  | | --- | | **What language is used to query or extract information from a database?** | | | |  | | --- | | **Definition 211** | | |  | | --- | | **SQL (page 209)** | | |

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| |  | | --- | | **Term 212** | | |  | | --- | | **A column or combination of columns that uniquely identifies a row in a table is called what?** | | | |  | | --- | | **Definition 212** | | |  | | --- | | **Primary key (page 219)** | | |

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| |  | | --- | | **Term 213** | | |  | | --- | | **In database design, what defines how one table works with another?** | | | |  | | --- | | **Definition 213** | | |  | | --- | | **Relationship (page 226)** | | |

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| |  | | --- | | **Term 214** | | |  | | --- | | **A base-2 numbering system is called what?** | | | |  | | --- | | **Definition 214** | | |  | | --- | | **Binary (page 253)** | | |

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| |  | | --- | | **Term 215** | | |  | | --- | | **Hexadecimal uses what base?** | | | |  | | --- | | **Definition 215** | | |  | | --- | | **Base 16 (page 253)** | | |

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| |  | | --- | | **Term 216** | | |  | | --- | | **What is used to calculate how many of something a number represents?** | | | |  | | --- | | **Definition 216** | | |  | | --- | | **Positional values (page 255)** | | |

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| |  | | --- | | **Term 217** | | |  | | --- | | **How would the number seven be represented in binary?** | | | |  | | --- | | **Definition 217** | | |  | | --- | | **Seven in binary is 111 (page 258)** | | |

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| |  | | --- | | **Term 218** | | |  | | --- | | **What is a data structure?** | | | |  | | --- | | **Definition 218** | | |  | | --- | | **A way of organizing data (page 279)** | | |

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| |  | | --- | | **Term 219** | | |  | | --- | | **Multidimensional arrays consist of what?** | | | |  | | --- | | **Definition 219** | | |  | | --- | | **two or more single-dimensional arrays (page 285)** | | |

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| |  | | --- | | **Term 220** | | |  | | --- | | **True or false? The size of a list can be easily changed.** | | | |  | | --- | | **Definition 220** | | |  | | --- | | **True (page 290)** | | |

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| |  | | --- | | **Term 221** | | |  | | --- | | **True or false? A stack is a first in, last out data structure.** | | | |  | | --- | | **Definition 221** | | |  | | --- | | **True (page 295)** | | |

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| |  | | --- | | **Term 222** | | |  | | --- | | **Chapter 1: Boolean algebra is also known as?** | | | |  | | --- | | **Definition 222** | | |  | | --- | | **Boolean Logic (pg. 10)** | | |

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| |  | | --- | | **Term 223** | | |  | | --- | | **Chapter 1: Programs that could be stored for repeted use were known as?** | | | |  | | --- | | **Definition 223** | | |  | | --- | | **Stored program concept (pg. 11)** | | |

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| |  | | --- | | **Term 224** | | |  | | --- | | **Chapter 1: What is the name of a program that accesses and displays fiels and other information or hypermedia available on a network or on the internet?** | | | |  | | --- | | **Definition 224** | | |  | | --- | | **Browser (pg.30)** | | |

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| |  | | --- | | **Term 225** | | |  | | --- | | **Chapter 1: What period of the 20th century were punched cards used for storing programs and data?** | | | |  | | --- | | **Definition 225** | | |  | | --- | | **Late 1940's to 1950's (pg.31)** | | |

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| |  | | --- | | **Term 226** | | |  | | --- | | **Chapter 2: What is a program that actively reproduces itself across a network called?** | | | |  | | --- | | **Definition 226** | | |  | | --- | | **Worm (pg. 53)** | | |

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| |  | | --- | | **Term 227** | | |  | | --- | | **Chapter 2: What does a modification attack primarily do?** | | | |  | | --- | | **Definition 227** | | |  | | --- | | **Alter information illicitly (pg.56)** | | |

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| |  | | --- | | **Term 228** | | |  | | --- | | **Chapter 2: True or False. Its smart to not use a password to protect everything.** | | | |  | | --- | | **Definition 228** | | |  | | --- | | **False (pg.60)** | | |

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| |  | | --- | | **Term 229** | | |  | | --- | | **Chapter 2: How long could it take a computer to hack a password wih 10 characters?** | | | |  | | --- | | **Definition 229** | | |  | | --- | | **4.5 Years (pg.62)** | | |

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| |  | | --- | | **Term 230** | | |  | | --- | | **Chapter 3: True or False. The memory slots on a motherboard are circular shaped.** | | | |  | | --- | | **Definition 230** | | |  | | --- | | **False (pg.101)** | | |

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| |  | | --- | | **Term 231** | | |  | | --- | | **Chapter 3: The AND boolean operator only returns a value if?** | | | |  | | --- | | **Definition 231** | | |  | | --- | | **Both operands are true (pg.106)** | | |

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| |  | | --- | | **Term 232** | | |  | | --- | | **Chapter 3: What is SRAM primarily constructed with that allows it to be fast?** | | | |  | | --- | | **Definition 232** | | |  | | --- | | **Flip-flop circuits (pg.114)** | | |

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| |  | | --- | | **Term 233** | | |  | | --- | | **Chapter 3: ROM stands for what?** | | | |  | | --- | | **Definition 233** | | |  | | --- | | **Read-only-memory (pg.119)** | | |

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| |  | | --- | | **Term 234** | | |  | | --- | | **Chapter 4: What is impedance?** | | | |  | | --- | | **Definition 234** | | |  | | --- | | **The opposition a transmission medium has toward the flow of alternating electrical currents. (pg.140)** | | |

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| |  | | --- | | **Term 235** | | |  | | --- | | **Chapter 4: What is inductance?** | | | |  | | --- | | **Definition 235** | | |  | | --- | | **The magnetic field around a conductor that opposes changes in current flow. (pg.140)** | | |

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| |  | | --- | | **Term 236** | | |  | | --- | | **Chapter 4: Define protocol.** | | | |  | | --- | | **Definition 236** | | |  | | --- | | **A set of rules designed to facilitate communication; protocols are heavily used in networking. (pg.144)** | | |

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| |  | | --- | | **Term 237** | | |  | | --- | | **Chapter 4: What is the bandwidth of fast ethernet?** | | | |  | | --- | | **Definition 237** | | |  | | --- | | **100Mbps (pg. 152)** | | |

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| |  | | --- | | **Term 238** | | |  | | --- | | **Chapter 5: What is the function of DHCP?** | | | |  | | --- | | **Definition 238** | | |  | | --- | | **To automate the assignment of IP addresses in an organization's network. (pg.177)** | | |

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| |  | | --- | | **Term 239** | | |  | | --- | | **Chapter 5: What is SSH used for?** | | | |  | | --- | | **Definition 239** | | |  | | --- | | **Data exchange between two networked devices, usually in a linux enviornment. (pg.182)** | | |

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| |  | | --- | | **Term 240** | | |  | | --- | | **Chapter 5: What does the programming language of Pearl specialize in?** | | | |  | | --- | | **Definition 240** | | |  | | --- | | **Used to develop CGI dynamic web pages.** | | |

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| |  | | --- | | **Term 241** | | |  | | --- | | **Chapter 6: What is Oracle's database program called?** | | | |  | | --- | | **Definition 241** | | |  | | --- | | **Oracle (pg.210)** | | |

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| |  | | --- | | **Term 242** | | |  | | --- | | **Chapter 6: What is first normal form for?** | | | |  | | --- | | **Definition 242** | | |  | | --- | | **Eliminating repeated column values by making a new row in the table and copying the common data to the column values. (pg.219)** | | |

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| |  | | --- | | **Term 243** | | |  | | --- | | **Chapter 6: What does SQL stand for?** | | | |  | | --- | | **Definition 243** | | |  | | --- | | **Structure Query Language (pg.230)** | | |

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| |  | | --- | | **Term 245** | | |  | | --- | | **Chapter 7: True or False. Binary consists of the numbers 1 and 2.** | | | |  | | --- | | **Definition 245** | | |  | | --- | | **False (pg.253)** | | |

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| |  | | --- | | **Term 246** | | |  | | --- | | **Chapter 7: The binary number 1111 in hex is what?** | | | |  | | --- | | **Definition 246** | | |  | | --- | | **F (pg.258)** | | |

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| |  | | --- | | **Term 247** | | |  | | --- | | **Chapter 7: How many bits are in a byte?** | | | |  | | --- | | **Definition 247** | | |  | | --- | | **8(pg.262)** | | |

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| |  | | --- | | **Term 248** | | |  | | --- | | **Chapter 7: What is a nibble?** | | | |  | | --- | | **Definition 248** | | |  | | --- | | **A term that describes 4 bits. (pg.262)** | | |

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| |  | | --- | | **Term 249** | | |  | | --- | | **Chapter 8: What is a tree?** | | | |  | | --- | | **Definition 249** | | |  | | --- | | **A data structure that represents a hierarchical structure, similar to that of organizational or genealogical charts. (pg. 299)** | | |

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| |  | | --- | | **Term 250** | | |  | | --- | | **Chapter 8: Define tail pointer.** | | | |  | | --- | | **Definition 250** | | |  | | --- | | **Keeps track of the end or rear position of the data structure. (pg.297)** | | |

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| |  | | --- | | **Term 251** | | |  | | --- | | **Chapter 8: Define Stack.** | | | |  | | --- | | **Definition 251** | | |  | | --- | | **A list in which the next item to be removed is the item most recently stored. (pg. 294)** | | |

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| |  | | --- | | **Term 252** | | |  | | --- | | **Chapter 8: True or False. A pile is a type of list that can work with dynamic data?** | | | |  | | --- | | **Definition 252** | | |  | | --- | | **False. (pg. 290)** | | |

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| |  | | --- | | **Term 253** | | |  | | --- | | **What are the 4 critical components of a modern computer?** | | | |  | | --- | | **Definition 253** | | |  | | --- | | **An input device, memory, a central processing device, an output device (Page 8)** | | |

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| |  | | --- | | **Term 254** | | |  | | --- | | **What year is considered to typically be the start of hardware and software development for computers?** | | | |  | | --- | | **Definition 254** | | |  | | --- | | **1950 (Page 12)** | | |

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| |  | | --- | | **Term 255** | | |  | | --- | | **True or false? In the 1960s, IBM controlled more than 80% of the market in computers.** | | | |  | | --- | | **Definition 255** | | |  | | --- | | **False (Page 15)** | | |

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| |  | | --- | | **Term 256** | | |  | | --- | | **What year did Microsoft realease the first vialbe version of the Windows OS?** | | | |  | | --- | | **Definition 256** | | |  | | --- | | **1988 (Page 26)** | | |

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| |  | | --- | | **Term 257** | | |  | | --- | | **True or false? A document that was anonymously written to justify cracking into systems as an ethical exercise is called the Hacker's Code.** | | | |  | | --- | | **Definition 257** | | |  | | --- | | **False (Page 51)** | | |

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| |  | | --- | | **Term 258** | | |  | | --- | | **What is the term for shorcuts into programs created by system designers to facilitate system maintenance but used and abused by crackers?** | | | |  | | --- | | **Definition 258** | | |  | | --- | | **Backdoors (Page 52)** | | |

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| |  | | --- | | **Term 259** | | |  | | --- | | **In Chapter 2, DNS stands for?** | | | |  | | --- | | **Definition 259** | | |  | | --- | | **Domain Name System (Page 70)** | | |

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| |  | | --- | | **Term 260** | | |  | | --- | | **What year was the Interception Act created?** | | | |  | | --- | | **Definition 260** | | |  | | --- | | **1968 (Page 74)** | | |

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| |  | | --- | | **Term 261** | | |  | | --- | | **The computer is actually just the \_\_\_.** | | | |  | | --- | | **Definition 261** | | |  | | --- | | **CPU (Page 100)** | | |

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| |  | | --- | | **Term 262** | | |  | | --- | | **The 3 types of Boolean operators are:** | | | |  | | --- | | **Definition 262** | | |  | | --- | | **AND, OR, and NOT (Page 104)** | | |

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| |  | | --- | | **Term 263** | | |  | | --- | | **What is the adder's responsibility in a arithmetic logic unit?** | | | |  | | --- | | **Definition 263** | | |  | | --- | | **Adding binary numbers (Page 111)** | | |

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| |  | | --- | | **Term 264** | | |  | | --- | | **True or false? An example of an input device is a monitor?** | | | |  | | --- | | **Definition 264** | | |  | | --- | | **False (Page 124)** | | |

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| |  | | --- | | **Term 265** | | |  | | --- | | **Bandwidth refers to** | | | |  | | --- | | **Definition 265** | | |  | | --- | | **The speed the medium is able to handle (Page 138)** | | |

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| |  | | --- | | **Term 266** | | |  | | --- | | **True or false? LAN, WAN, and WLAN are all different network types.** | | | |  | | --- | | **Definition 266** | | |  | | --- | | **True (Page 149)** | | |

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| |  | | --- | | **Term 267** | | |  | | --- | | **What is the purpose of a repeater?** | | | |  | | --- | | **Definition 267** | | |  | | --- | | **Amplify signals on long cables between nodes (Page 153)** | | |

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| |  | | --- | | **Term 268** | | |  | | --- | | **True or false? The two techniques WAN connections use to divide bandwidth among multiple users are FDM and TDM.** | | | |  | | --- | | **Definition 268** | | |  | | --- | | **True (Page 158)** | | |

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| |  | | --- | | **Term 269** | | |  | | --- | | **What does the abbreviation ISP stand for?** | | | |  | | --- | | **Definition 269** | | |  | | --- | | **Internet Serive Provider (Page 172)** | | |

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| |  | | --- | | **Term 270** | | |  | | --- | | **What does HTTP refer to?** | | | |  | | --- | | **Definition 270** | | |  | | --- | | **Hypertext Transfer Protocol (Page 173)** | | |

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| |  | | --- | | **Term 271** | | |  | | --- | | **How many layers are listed in the textbook for the OSI model?** | | | |  | | --- | | **Definition 271** | | |  | | --- | | **7 (Page 180)** | | |

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| |  | | --- | | **Term 272** | | |  | | --- | | **A domain is:** | | | |  | | --- | | **Definition 272** | | |  | | --- | | **set of possible values for a column (Page 212)** | | |

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| |  | | --- | | **Term 273** | | |  | | --- | | **What does a sort key do in a database table?** | | | |  | | --- | | **Definition 273** | | |  | | --- | | **Determines the data's sort order (Page 214)** | | |

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| |  | | --- | | **Term 274** | | |  | | --- | | **What does SQL stand for?** | | | |  | | --- | | **Definition 274** | | |  | | --- | | **Structured Query Language (Page 230)** | | |

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| |  | | --- | | **Term 275** | | |  | | --- | | **True or False? The WHERE statement is the most commonly used SQL statement.** | | | |  | | --- | | **Definition 275** | | |  | | --- | | **False (Page 234)** | | |

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| |  | | --- | | **Term 276** | | |  | | --- | | **What does the ORDER BY statement do?** | | | |  | | --- | | **Definition 276** | | |  | | --- | | **Enables you to change how data is returned from the SELECT statement (Page 238)** | | |

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| |  | | --- | | **Term 277** | | |  | | --- | | **What was the first commercially viable computer?** | | | |  | | --- | | **Definition 277** | | |  | | --- | | **UNIVAC (page 13)** | | |

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| |  | | --- | | **Term 278** | | |  | | --- | | **True or False? The transistor replaced the vacuum tube?** | | | |  | | --- | | **Definition 278** | | |  | | --- | | **True (page 16)** | | |

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| |  | | --- | | **Term 279** | | |  | | --- | | **What was the killer app bundled with the Apple II in 1979?** | | | |  | | --- | | **Definition 279** | | |  | | --- | | **VisiCalc (page 23)** | | |

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| |  | | --- | | **Term 280** | | |  | | --- | | **How many transistors were on the first CPU?** | | | |  | | --- | | **Definition 280** | | |  | | --- | | **4004 (page 19)** | | |

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| |  | | --- | | **Term 281** | | |  | | --- | | **True or False? A undirected hacker are motivated by malicious intent?** | | | |  | | --- | | **Definition 281** | | |  | | --- | | **False (page 50)** | | |

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| |  | | --- | | **Term 282** | | |  | | --- | | **What is the average time it would take a computer to crack a 10 character password?** | | | |  | | --- | | **Definition 282** | | |  | | --- | | **4.5 years (page 62)** | | |

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| |  | | --- | | **Term 283** | | |  | | --- | | **What is one of the smartest things you can do to protect your computer?** | | | |  | | --- | | **Definition 283** | | |  | | --- | | **Install Antivirus Software (page 64)** | | |

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| |  | | --- | | **Term 284** | | |  | | --- | | **True or False? Spyware and cookies can be controller?** | | | |  | | --- | | **Definition 284** | | |  | | --- | | **True (page 85)** | | |

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| |  | | --- | | **Term 285** | | |  | | --- | | **What are the four basic functions of an transistors?** | | | |  | | --- | | **Definition 285** | | |  | | --- | | **Adding, decoding, shifting, and storing. (page 103)** | | |

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| |  | | --- | | **Term 286** | | |  | | --- | | **True or False? A NOR gate on returns a true value if both operands are true?** | | | |  | | --- | | **Definition 286** | | |  | | --- | | **False (page 109)** | | |

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| |  | | --- | | **Term 287** | | |  | | --- | | **What are the two basic types of memory?** | | | |  | | --- | | **Definition 287** | | |  | | --- | | **ROM and RAM (page 119)** | | |

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| |  | | --- | | **Term 288** | | |  | | --- | | **True or False? Polling is more efficient model than interrupt handling?** | | | |  | | --- | | **Definition 288** | | |  | | --- | | **False (page 126)** | | |

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| |  | | --- | | **Term 289** | | |  | | --- | | **Sending 1’s and 0’s from one computer to another is called what?** | | | |  | | --- | | **Definition 289** | | |  | | --- | | **Transmissions medium (page 138)** | | |

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| |  | | --- | | **Term 290** | | |  | | --- | | **How many layers are in the OSI model?** | | | |  | | --- | | **Definition 290** | | |  | | --- | | **7 (page 147)** | | |

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| |  | | --- | | **Term 291** | | |  | | --- | | **What allows users access to their bandwidth but just for a small amount of time?** | | | |  | | --- | | **Definition 291** | | |  | | --- | | **TDM(time-division multiplexing) (page 158)** | | |

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| |  | | --- | | **Term 292** | | |  | | --- | | **True or False? Repeaters don’t alter the content of data in any way, they just boost the signal?** | | | |  | | --- | | **Definition 292** | | |  | | --- | | **True (page 153)** | | |

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| |  | | --- | | **Term 293** | | |  | | --- | | **How many address does a 32-bit address allow?** | | | |  | | --- | | **Definition 293** | | |  | | --- | | **4,294,967,296 (2^32) (page 175)** | | |

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| |  | | --- | | **Term 294** | | |  | | --- | | **What are the different class types for a IPv4?** | | | |  | | --- | | **Definition 294** | | |  | | --- | | **A,B,C,D,E (page 176)** | | |

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| |  | | --- | | **Term 295** | | |  | | --- | | **True or False? FTP is used to send email messages over the Internet?** | | | |  | | --- | | **Definition 295** | | |  | | --- | | **False, SMTP (page 1810** | | |

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| |  | | --- | | **Term 296** | | |  | | --- | | **What was the program Vulcan renamed to in 1980?** | | | |  | | --- | | **Definition 296** | | |  | | --- | | **dBASE II (page 209)** | | |

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| |  | | --- | | **Term 297** | | |  | | --- | | **What is a special file that occupies its own space?** | | | |  | | --- | | **Definition 297** | | |  | | --- | | **Index (page 213)** | | |

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| |  | | --- | | **Term 298** | | |  | | --- | | **In which normal form would you assign a primary key?** | | | |  | | --- | | **Definition 298** | | |  | | --- | | **Second normal form (page 219)** | | |

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| |  | | --- | | **Term 299** | | |  | | --- | | **What is the commonly used SQL statement?** | | | |  | | --- | | **Definition 299** | | |  | | --- | | **SELECT (page 234)** | | |

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| |  | | --- | | **Term 300** | | |  | | --- | | **True or False? Hexadecimal is a based 8 number system?** | | | |  | | --- | | **Definition 300** | | |  | | --- | | **False, base 16 (page 253)** | | |

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| |  | | --- | | **Term 301** | | |  | | --- | | **How many bits are in a byte?** | | | |  | | --- | | **Definition 301** | | |  | | --- | | **8 bits (page 262)** | | |

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| |  | | --- | | **Term 302** | | |  | | --- | | **Which method would you use to represent negative numbers in a computer?** | | | |  | | --- | | **Definition 302** | | |  | | --- | | **Twos Complement (page 263)** | | |

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| |  | | --- | | **Term 303** | | |  | | --- | | **What us the standard for storing text characters in computers?** | | | |  | | --- | | **Definition 303** | | |  | | --- | | **ASCII (page 266)** | | |

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| |  | | --- | | **Term 304** | | |  | | --- | | **True or False? Arrays and lists are the most common data structures?** | | | |  | | --- | | **Definition 304** | | |  | | --- | | **True (page 280)** | | |

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| |  | | --- | | **Term 305** | | |  | | --- | | **True or False? Queues are used in arrays?** | | | |  | | --- | | **Definition 305** | | |  | | --- | | **False, list sorts (page 297)** | | |

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| |  | | --- | | **Term 306** | | |  | | --- | | **Which sorts keeps breaking down data into smaller lists until they are quite manageable to sort?** | | | |  | | --- | | **Definition 306** | | |  | | --- | | **Quick Sort (page 309-310)** | | |

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| |  | | --- | | **Term 307** | | |  | | --- | | **True or False? Bubble sorts are a quick and efficient was to sort data?** | | | |  | | --- | | **Definition 307** | | |  | | --- | | **False (page 309)** | | |

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| |  | | --- | | **Term 308** | | |  | | --- | | **Who is credited with the origins of computer science?** | | | |  | | --- | | **Definition 308** | | |  | | --- | | **Ancient Assyria (page 5)** | | |

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| |  | | --- | | **Term 309** | | |  | | --- | | **Herman Hollerith created a company that eventually became what modern company?** | | | |  | | --- | | **Definition 309** | | |  | | --- | | **IBM (page 9)** | | |

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| |  | | --- | | **Term 310** | | |  | | --- | | **Who is the inventor of the World Wide Web?** | | | |  | | --- | | **Definition 310** | | |  | | --- | | **Tim Berners-Lee (page 30)** | | |

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| |  | | --- | | **Term 311** | | |  | | --- | | **Who invented the Altair 8800?** | | | |  | | --- | | **Definition 311** | | |  | | --- | | **Ed Roberts (page 20)** | | |

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| |  | | --- | | **Term 312** | | |  | | --- | | **A hacker who is motivated by the challenge of breaking into a system, rather than by greed or politics is known as what?** | | | |  | | --- | | **Definition 312** | | |  | | --- | | **An undirected hacker (page 50)** | | |

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| |  | | --- | | **Term 313** | | |  | | --- | | **A program that actively reproduces itself across a network is known as what?** | | | |  | | --- | | **Definition 313** | | |  | | --- | | **Worm (page 53)** | | |

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| |  | | --- | | **Term 314** | | |  | | --- | | **Software that can track, collect, and transmit data to a third party is known as what?** | | | |  | | --- | | **Definition 314** | | |  | | --- | | **Spyware (page 85)** | | |

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| |  | | --- | | **Term 315** | | |  | | --- | | **True or False? The most common way that hackers access your data is because of weak passwords.** | | | |  | | --- | | **Definition 315** | | |  | | --- | | **True (page 81)** | | |

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| |  | | --- | | **Term 316** | | |  | | --- | | **The physical circuit board in a computer that contains the CPU and other basic circuitry is known as what?** | | | |  | | --- | | **Definition 316** | | |  | | --- | | **Main board or Mother board (page 100)** | | |

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| |  | | --- | | **Term 317** | | |  | | --- | | **True or False? The three basic Boolean operators are AND, OR, and IF.** | | | |  | | --- | | **Definition 317** | | |  | | --- | | **False (page 106)** | | |

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| |  | | --- | | **Term 318** | | |  | | --- | | **A digital circuit that can retain the binary value it was set to after the input is removed is called what?** | | | |  | | --- | | **Definition 318** | | |  | | --- | | **Flip-Flop circuit (page 113)** | | |

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| |  | | --- | | **Term 319** | | |  | | --- | | **True or False? Read-only memory or ROM cannot be modified.** | | | |  | | --- | | **Definition 319** | | |  | | --- | | **True (page 119)** | | |

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| |  | | --- | | **Term 320** | | |  | | --- | | **True or False? Bandwidth is the magnetic field around a conductor that opposes changes is current flow.** | | | |  | | --- | | **Definition 320** | | |  | | --- | | **False (page 139)** | | |

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| |  | | --- | | **Term 321** | | |  | | --- | | **The opposition a transmission medium has toward the flow of alternating electrical currents is called what?** | | | |  | | --- | | **Definition 321** | | |  | | --- | | **Impedance (page 140)** | | |

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| |  | | --- | | **Term 322** | | |  | | --- | | **The fastest guided media is what?** | | | |  | | --- | | **Definition 322** | | |  | | --- | | **Fiber-optic cable (page 141)** | | |

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| |  | | --- | | **Term 323** | | |  | | --- | | **A circuit board that connects a network medium to the system bus and converts a computer’s binary information into a format suitable for the transmission medium is called what?** | | | |  | | --- | | **Definition 323** | | |  | | --- | | **Network Interface Card or NIC (page 153)** | | |

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| |  | | --- | | **Term 324** | | |  | | --- | | **A company that provides access to the internet is called what?** | | | |  | | --- | | **Definition 324** | | |  | | --- | | **ISP Internet Service Provider (page 172)** | | |

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| |  | | --- | | **Term 325** | | |  | | --- | | **A protocol designed for transferring files on the world wide web is called what?** | | | |  | | --- | | **Definition 325** | | |  | | --- | | **HTTP Hyper Text Transfer Protocol (page 173)** | | |

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| |  | | --- | | **Term 326** | | |  | | --- | | **A device or software in a computer that determines the next network point to which a packet should be forwarded is called what?** | | | |  | | --- | | **Definition 326** | | |  | | --- | | **Router (page 178)** | | |

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| |  | | --- | | **Term 327** | | |  | | --- | | **True or False? HTML is the language web browsers use to display web pages.** | | | |  | | --- | | **Definition 327** | | |  | | --- | | **True (page 193)** | | |

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| |  | | --- | | **Term 328** | | |  | | --- | | **Data that has been organized and logically related to allow access, retrieval, and use of that data is called?** | | | |  | | --- | | **Definition 328** | | |  | | --- | | **Database (page 207)** | | |

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| |  | | --- | | **Term 329** | | |  | | --- | | **The language used to maintain database structure and modify, query, and extract information is known as?** | | | |  | | --- | | **Definition 329** | | |  | | --- | | **SQL Structured Query Language (page 209)** | | |

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| |  | | --- | | **Term 330** | | |  | | --- | | **A database design process that structures tables to eliminate duplication and inconsistencies in the data structure is known as what?** | | | |  | | --- | | **Definition 330** | | |  | | --- | | **Normalization (page 216)** | | |

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| |  | | --- | | **Term 331** | | |  | | --- | | **What is the most common relationship used in a database?** | | | |  | | --- | | **Definition 331** | | |  | | --- | | **One to Many (page 227)** | | |

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| |  | | --- | | **Term 332** | | |  | | --- | | **True or False? The numbering system that has 16 digits is called binary.** | | | |  | | --- | | **Definition 332** | | |  | | --- | | **False (page 253)** | | |

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| |  | | --- | | **Term 333** | | |  | | --- | | **A term that refers to 4 bits is called what?** | | | |  | | --- | | **Definition 333** | | |  | | --- | | **Nibble (page 262)** | | |

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| |  | | --- | | **Term 334** | | |  | | --- | | **True or False? The mantissa in scientific notation contains the number’s significant digits and is placed before the exponent.** | | | |  | | --- | | **Definition 334** | | |  | | --- | | **True (page 265)** | | |

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| |  | | --- | | **Term 335** | | |  | | --- | | **The basic unit of programmable color on a computer display is called what?** | | | |  | | --- | | **Definition 335** | | |  | | --- | | **Pixel (page 267)** | | |

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| |  | | --- | | **Term 336** | | |  | | --- | | **True or False? A data structure can be defined as a way of organizing data.** | | | |  | | --- | | **Definition 336** | | |  | | --- | | **True (page 279)** | | |

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| |  | | --- | | **Term 337** | | |  | | --- | | **A set of contiguous memory cells used for storing the same type of data is called what?** | | | |  | | --- | | **Definition 337** | | |  | | --- | | **Array (page 280)** | | |

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| |  | | --- | | **Term 338** | | |  | | --- | | **The absence of a value, meaning there is no value stored is called what?** | | | |  | | --- | | **Definition 338** | | |  | | --- | | **Null value (page 292)** | | |

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| |  | | --- | | **Term 339** | | |  | | --- | | **The last item placed on the stack is the first item removed from the stack is known as what?** | | | |  | | --- | | **Definition 339** | | |  | | --- | | **Last in, first out (page 295)** | | |

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| |  | | --- | | **Term 340** | | |  | | --- | | **Chapter One: True or False? Time sharing is a computer’s capability to share its computing time with many users at the same time.** | | | |  | | --- | | **Definition 340** | | |  | | --- | | **True (Page 17)** | | |

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| |  | | --- | | **Term 341** | | |  | | --- | | **Chapter One: An interface to the computer that uses graphical instead of text command is called what?** | | | |  | | --- | | **Definition 341** | | |  | | --- | | **Graphical User Interface (GUI) (Page 25)** | | |

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| |  | | --- | | **Term 342** | | |  | | --- | | **Chapter One: What generation of hardware is from 1990 to today?** | | | |  | | --- | | **Definition 342** | | |  | | --- | | **Fifth Generation (Page 27)** | | |

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| |  | | --- | | **Term 343** | | |  | | --- | | **Chapter One: What does the acronym MAN stand for in regards to networking?** | | | |  | | --- | | **Definition 343** | | |  | | --- | | **Metropolitan Area Network (Page 29)** | | |

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| |  | | --- | | **Term 344** | | |  | | --- | | **Chapter Two: What do you call cracking into a system as a political act?** | | | |  | | --- | | **Definition 344** | | |  | | --- | | **Hacktivism (Page 51)** | | |

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| |  | | --- | | **Term 345** | | |  | | --- | | **Chapter Two: Who was the social engineer that was caught in the 1990s and then turned around revealed many of his techniques for the benefit of the security community?** | | | |  | | --- | | **Definition 345** | | |  | | --- | | **Kevin Mitnick (Page 55)** | | |

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| |  | | --- | | **Term 346** | | |  | | --- | | **Chapter Two: What is a callback?** | | | |  | | --- | | **Definition 346** | | |  | | --- | | **A method that allows users to connect only by having the network initiate a call to a specified number. (Page 61)** | | |

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| |  | | --- | | **Term 347** | | |  | | --- | | **Chapter Two: True or False? The standard port for Telnet is 80.** | | | |  | | --- | | **Definition 347** | | |  | | --- | | **False (Page 70)** | | |

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| |  | | --- | | **Term 348** | | |  | | --- | | **Chapter Three: True or False? SATA Connectors are for attaching hard drives and CD/DVD-ROM drive.** | | | |  | | --- | | **Definition 348** | | |  | | --- | | **True (Page 102)** | | |

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| |  | | --- | | **Term 349** | | |  | | --- | | **Chapter Three: A table representing the inputs and outputs of a logic circuit is called what?** | | | |  | | --- | | **Definition 349** | | |  | | --- | | **A Truth Table (Page 105)** | | |

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| |  | | --- | | **Term 350** | | |  | | --- | | **Chapter Three: True or False? The NOR gate is a combination of the OR and the AND gate?** | | | |  | | --- | | **Definition 350** | | |  | | --- | | **False (Page 109)** | | |

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| |  | | --- | | **Term 351** | | |  | | --- | | **Chapter Three: True or False? RAM stands for Random Access Memory.** | | | |  | | --- | | **Definition 351** | | |  | | --- | | **True (Page 119)** | | |

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| |  | | --- | | **Term 352** | | |  | | --- | | **Chapter Four: Name the layers of the OSI reference model.** | | | |  | | --- | | **Definition 352** | | |  | | --- | | **Physical, Data Link, Network, Transport, Session, Presentation, and Application. (Page 147)** | | |

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| |  | | --- | | **Term 353** | | |  | | --- | | **Chapter Four: The advent of the Internet has increased the popularity of what type of network topology?** | | | |  | | --- | | **Definition 353** | | |  | | --- | | **Star Topology (Page 151)** | | |

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| |  | | --- | | **Term 354** | | |  | | --- | | **Chapter: Four: True or False? Each network interface has a unique 48-bit address called a MAC address.** | | | |  | | --- | | **Definition 354** | | |  | | --- | | **True (Page 153)** | | |

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| |  | | --- | | **Term 355** | | |  | | --- | | **Chapter Four: EDGE, EVDO and 3G are examples of what type of technology?** | | | |  | | --- | | **Definition 355** | | |  | | --- | | **Wireless Technology (Page 159)** | | |

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| |  | | --- | | **Term 356** | | |  | | --- | | **Chapter Five: What does XML stand for?** | | | |  | | --- | | **Definition 356** | | |  | | --- | | **Extensible Markup Language (Page 194)** | | |

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| |  | | --- | | **Term 357** | | |  | | --- | | **Chapter Five: www.ask.com is an example of what?** | | | |  | | --- | | **Definition 357** | | |  | | --- | | **A search engine (Page 197)** | | |

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| |  | | --- | | **Term 358** | | |  | | --- | | **Chapter Five: What is another name for a spider in regards to search engines?** | | | |  | | --- | | **Definition 358** | | |  | | --- | | **A bot or a crawler (Page 196)** | | |

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| |  | | --- | | **Term 359** | | |  | | --- | | **Chapter Six: What are the names of the database management systems developed by Microsoft?** | | | |  | | --- | | **Definition 359** | | |  | | --- | | **Access and SQL Server (Page 210)** | | |

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| |  | | --- | | **Term 360** | | |  | | --- | | **Chapter Six: What is another name for a column in regards to databases?** | | | |  | | --- | | **Definition 360** | | |  | | --- | | **A field or an attribute (Page 211)** | | |

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| |  | | --- | | **Term 361** | | |  | | --- | | **Chapter Six: True or False? A sort key is a row in a database used to determine the data’s age.** | | | |  | | --- | | **Definition 361** | | |  | | --- | | **False (Page 214)** | | |

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| |  | | --- | | **Term 362** | | |  | | --- | | **Chapter Six: What is the SQL command used to add new rows of data to a table?** | | | |  | | --- | | **Definition 362** | | |  | | --- | | **INSERT INTO (Page 233)** | | |

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| |  | | --- | | **Term 363** | | |  | | --- | | **Chapter Seven: What is the radix point?** | | | |  | | --- | | **Definition 363** | | |  | | --- | | **The point that divides the fractional portion from the whole portion of a number. (Page 254)** | | |

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| |  | | --- | | **Term 364** | | |  | | --- | | **Chapter Seven: True or False? A nibble is composed of 8 bytes.** | | | |  | | --- | | **Definition 364** | | |  | | --- | | **False (Page 262)** | | |

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| |  | | --- | | **Term 365** | | |  | | --- | | **Chapter Seven: Who developed ASCII?** | | | |  | | --- | | **Definition 365** | | |  | | --- | | **The American National Standards Institute (ANSI) (Page 265)** | | |

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| |  | | --- | | **Term 366** | | |  | | --- | | **Chapter Seven: True or False? MP3 is a standard technology and format for compressing a sound sequence into a small file.** | | | |  | | --- | | **Definition 366** | | |  | | --- | | **True (Page 268)** | | |

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| |  | | --- | | **Term 367** | | |  | | --- | | **Chapter Eight: True or False? A subscript is another name for an index.** | | | |  | | --- | | **Definition 367** | | |  | | --- | | **True (Page 284)** | | |

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| |  | | --- | | **Term 368** | | |  | | --- | | **Chapter Eight: What is an array consisting of two or more single-dimensional arrays called?** | | | |  | | --- | | **Definition 368** | | |  | | --- | | **A multidimensional array (Page 285)** | | |

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| |  | | --- | | **Term 369** | | |  | | --- | | **Chapter Eight: True or False? A memory variable containing the address of a memory cell as its data is called a pointer.** | | | |  | | --- | | **Definition 369** | | |  | | --- | | **True (Page 291)** | | |

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| |  | | --- | | **Term 370** | | |  | | --- | | **Chapter Eight: True or False? Push is to remove an item from the stack and pop is to place an item on the stack.** | | | |  | | --- | | **Definition 370** | | |  | | --- | | **False (Page 295)** | | |

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| |  | | --- | | **Term 371** | | |  | | --- | | **According to the book, who can we think for some of the ideas of logic that you use in computer science?** | | | |  | | --- | | **Definition 371** | | |  | | --- | | **The Greeks. (Page-6)** | | |

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| |  | | --- | | **Term 372** | | |  | | --- | | **According to the book, who is “Snow White”?** | | | |  | | --- | | **Definition 372** | | |  | | --- | | **IBM (Page 15)** | | |

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| |  | | --- | | **Term 373** | | |  | | --- | | **According to the book, what is April Fool’s Day 1976?** | | | |  | | --- | | **Definition 373** | | |  | | --- | | **Steve Jobs and Steve Wozniak began the company Apple and offered their Apple 1. (Page23)** | | |

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| |  | | --- | | **Term 374** | | |  | | --- | | **True or False? OOP is known as Object-Original Programming.** | | | |  | | --- | | **Definition 374** | | |  | | --- | | **False (Page29)** | | |

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| |  | | --- | | **Term 375** | | |  | | --- | | **True or False? John Draper helped write some of the most important applications for Microsoft.** | | | |  | | --- | | **Definition 375** | | |  | | --- | | **True (Page 50)** | | |

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| |  | | --- | | **Term 376** | | |  | | --- | | **True or False? The Great Worm of 1988 was written by Robert T Morgan.** | | | |  | | --- | | **Definition 376** | | |  | | --- | | **False (Page 53)** | | |

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| |  | | --- | | **Term 377** | | |  | | --- | | **True or False? A sniffer is a software program that allows the user to listen in on network traffic.** | | | |  | | --- | | **Definition 377** | | |  | | --- | | **True (Page 56)** | | |

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| |  | | --- | | **Term 378** | | |  | | --- | | **True or False? Computer crime laws are universal.** | | | |  | | --- | | **Definition 378** | | |  | | --- | | **False (Page 76)** | | |

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| |  | | --- | | **Term 379** | | |  | | --- | | **True or False? The transistors’ ons and offs are treated as binary 1s and 0s and are used to accomplish everything that happens in a computer.** | | | |  | | --- | | **Definition 379** | | |  | | --- | | **True (Page 102)** | | |

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| |  | | --- | | **Term 380** | | |  | | --- | | **True or False? Any Boolean expression can be represented by a true table, and any truth table can be used to represent a Boolean expression.** | | | |  | | --- | | **Definition 380** | | |  | | --- | | **True (Page105)** | | |

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| |  | | --- | | **Term 381** | | |  | | --- | | **According to the book, how can you form more complex.specialized circuits?** | | | |  | | --- | | **Definition 381** | | |  | | --- | | **The Gates can be chained together. (Page110)** | | |

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| |  | | --- | | **Term 382** | | |  | | --- | | **According to the book, what architecture involves using a system bus to get information from memory to the processor and back and to carry information to and from I/O devices?** | | | |  | | --- | | **Definition 382** | | |  | | --- | | **Von Neumann architecture. (Page 117)** | | |

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| |  | | --- | | **Term 383** | | |  | | --- | | **According to the book, what is an example of unguided media?** | | | |  | | --- | | **Definition 383** | | |  | | --- | | **Cell phones, mobile devices, garage door openers, microwave ovens, radios. (Page 142)** | | |

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| |  | | --- | | **Term 384** | | |  | | --- | | **True or False? Star topology has historically been one of the most popular methods of connecting computers in a LAN?** | | | |  | | --- | | **Definition 384** | | |  | | --- | | **False (Page 151)** | | |

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| |  | | --- | | **Term 385** | | |  | | --- | | **True or False? Routers don’t alter the content of data in any way. They just boost the signal.** | | | |  | | --- | | **Definition 385** | | |  | | --- | | **False (Page 153)** | | |

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| |  | | --- | | **Term 386** | | |  | | --- | | **True or False? Phase modulation is a technique used to shift starting point of an audio wave-form and measure the shift on the other end.** | | | |  | | --- | | **Definition 386** | | |  | | --- | | **True (Page 155)** | | |

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| |  | | --- | | **Term 387** | | |  | | --- | | **True or False? ISP refers to the Internet Source Provider.** | | | |  | | --- | | **Definition 387** | | |  | | --- | | **False (Page 172)** | | |

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| |  | | --- | | **Term 388** | | |  | | --- | | **According to the book, what is DHCPaccording?** | | | |  | | --- | | **Definition 388** | | |  | | --- | | **Dynamic Host Configuration Protocol a communication protocol that automates assigning IP addresses in an organization’s network (Page 177)** | | |

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| |  | | --- | | **Term 389** | | |  | | --- | | **True or False? Port numbers are an addressing mechanism used in TCP/IP as a way for a client program to specify a particular server program on a network computer and to facilitate network address translation.** | | | |  | | --- | | **Definition 389** | | |  | | --- | | **True (Page185)** | | |

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| |  | | --- | | **Term 390** | | |  | | --- | | **According to the book, what is SGML?** | | | |  | | --- | | **Definition 390** | | |  | | --- | | **Standard Generalized Markup Language a standard for how to specify a document markup language or tag set. (Page 194)** | | |

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| |  | | --- | | **Term 391** | | |  | | --- | | **True or False? Video store rentals are an example of a database application.** | | | |  | | --- | | **Definition 391** | | |  | | --- | | **True (page 208)** | | |

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| |  | | --- | | **Term 392** | | |  | | --- | | **According to the book, what is dBASE I?** | | | |  | | --- | | **Definition 392** | | |  | | --- | | **There never was a dBASE I but the name dBASE II was chosen to give consumers more confidence in a product that seemed to have been tested already. (Page 209)** | | |

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| |  | | --- | | **Term 393** | | |  | | --- | | **According to the book, what are examples of primary keys that make a record unique?** | | | |  | | --- | | **Definition 393** | | |  | | --- | | **Car VIN, Social Security number, Driver’s license number, Purchase order number, Tax ID, Bank account number. (Page 220)** | | |

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| |  | | --- | | **Term 394** | | |  | | --- | | **According to the book, what can you do with SQL?** | | | |  | | --- | | **Definition 394** | | |  | | --- | | **Manipulate data, Define data, Administer data (Page 230)** | | |

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| |  | | --- | | **Term 395** | | |  | | --- | | **According to the book, what is the purpose of positional values?** | | | |  | | --- | | **Definition 395** | | |  | | --- | | **Positional values are used to calculate how many of something a number represents. The process is to multiply each digit of the number by its positional value, and then add all those values together (Page 255)** | | |

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| |  | | --- | | **Term 396** | | |  | | --- | | **True or False? A byte represents a group of eight nibbles considered as one unit and used as the basic unit of measurement in a computer system** | | | |  | | --- | | **Definition 396** | | |  | | --- | | **False (Page 262)** | | |

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| |  | | --- | | **Term 397** | | |  | | --- | | **According to the book, what is ANSI?** | | | |  | | --- | | **Definition 397** | | |  | | --- | | **American National Standards Institute, an organization that works with industry groups to formulate and publish standards (Page 265)** | | |

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| |  | | --- | | **Term 398** | | |  | | --- | | **According to the book, what is RGB encoding?** | | | |  | | --- | | **Definition 398** | | |  | | --- | | **A way of encoding pixel information assigning a value to each of the colors red, green and blue with each color using 8 of the 24 bits (Page 267)** | | |

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| |  | | --- | | **Term 399** | | |  | | --- | | **True or False? An array is a set of contiguous memory cells used for storing different types of data.** | | | |  | | --- | | **Definition 399** | | |  | | --- | | **False (Page 280)** | | |

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| |  | | --- | | **Term 400** | | |  | | --- | | **According to the book, what is offset?** | | | |  | | --- | | **Definition 400** | | |  | | --- | | **Offset is used to specify the distance between memory locations (Page 283)** | | |

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| |  | | --- | | **Term 401** | | |  | | --- | | **True or False? A linked list is used when the exact number of items is unknown or the length of his structure might change** | | | |  | | --- | | **Definition 401** | | |  | | --- | | **True (Page 290)** | | |

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| |  | | --- | | **Term 402** | | |  | | --- | | **According to the book, what is a “worker bee”?** | | | |  | | --- | | **Definition 402** | | |  | | --- | | **The queue is a “worker bee” that simply assess what is given and pushes it out if it can. It keeps pushing out the oldest items and putting the newest items at the end of the list (Page 297)** | | |

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| |  | | --- | | **Term 403** | | |  | | --- | | **Ch1: A Von Neumann machine has what four components?** | | | |  | | --- | | **Definition 403** | | |  | | --- | | **Input, output, processing, memory (p11)** | | |

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| |  | | --- | | **Term 404** | | |  | | --- | | **Ch1: Why was Jacquard’s loom significant to the computing industry?** | | | |  | | --- | | **Definition 404** | | |  | | --- | | **It had a stored program and could be programmed using wooden cards (p7)** | | |

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| |  | | --- | | **Term 405** | | |  | | --- | | **Ch1: TRUE OR FALSE: Transistors replaced vacuum tubes.** | | | |  | | --- | | **Definition 405** | | |  | | --- | | **TRUE (p16)** | | |

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| |  | | --- | | **Term 406** | | |  | | --- | | **Ch1: Why was Intel’s first processor called 4004?** | | | |  | | --- | | **Definition 406** | | |  | | --- | | **Because it had 4004 transistors onboard (p19)** | | |

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| |  | | --- | | **Term 407** | | |  | | --- | | **Ch2: Subverting the phone system to get free service is known as what?** | | | |  | | --- | | **Definition 407** | | |  | | --- | | **Phreaking (p50)** | | |

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| |  | | --- | | **Term 408** | | |  | | --- | | **Ch2: Software that can track, collect, and transmit to a third party or Web site certain information about a user’s computer habits is called what?** | | | |  | | --- | | **Definition 408** | | |  | | --- | | **Spyware (p85)** | | |

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| |  | | --- | | **Term 409** | | |  | | --- | | **Ch2: What is a honeypot?** | | | |  | | --- | | **Definition 409** | | |  | | --- | | **A trap (program or system) laid by a system administrator to catch and track intruders (p64)** | | |

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| |  | | --- | | **Term 410** | | |  | | --- | | **Ch2: TRUE OR FALSE: All bots are malicious.** | | | |  | | --- | | **Definition 410** | | |  | | --- | | **FALSE (p53)** | | |

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| |  | | --- | | **Term 411** | | |  | | --- | | **Ch3: What are the three basic Boolean operators?** | | | |  | | --- | | **Definition 411** | | |  | | --- | | **AND, OR, NOT (p106)** | | |

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| |  | | --- | | **Term 412** | | |  | | --- | | **Ch3: In computing, what is the purpose of a motherboard?** | | | |  | | --- | | **Definition 412** | | |  | | --- | | **To house and connect the CPU and other basic circuitry and components (p100)** | | |

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| |  | | --- | | **Term 413** | | |  | | --- | | **Ch3: TRUE OR FALSE: NAND, NOR, and XOR are Boolean operators.** | | | |  | | --- | | **Definition 413** | | |  | | --- | | **TRUE (p109)** | | |

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| |  | | --- | | **Term 414** | | |  | | --- | | **Ch3: RAM stands for what?** | | | |  | | --- | | **Definition 414** | | |  | | --- | | **Random access memory (p119)** | | |

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| |  | | --- | | **Term 415** | | |  | | --- | | **Ch4: The reduction in the strength of an electrical signal as it travels along a medium is known as what?** | | | |  | | --- | | **Definition 415** | | |  | | --- | | **Attenuation (p138)** | | |

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| |  | | --- | | **Term 416** | | |  | | --- | | **Ch4: A set of rules designed to facilitate communication is known as a what?** | | | |  | | --- | | **Definition 416** | | |  | | --- | | **Protocol (p144)** | | |

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| |  | | --- | | **Term 417** | | |  | | --- | | **Ch4: TRUE OR FALSE One of the layers in the OSI model is called the ‘communication’ layer.** | | | |  | | --- | | **Definition 417** | | |  | | --- | | **FALSE (p147)** | | |

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| |  | | --- | | **Term 418** | | |  | | --- | | **Ch4: The three common LAN topologies discussed in the book are…** | | | |  | | --- | | **Definition 418** | | |  | | --- | | **Ring, star, bus (p150)** | | |

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| |  | | --- | | **Term 419** | | |  | | --- | | **Ch5: TRUE OR FALSE: The protocol for exchanging text and binary files via the Internet is called HTTP.** | | | |  | | --- | | **Definition 419** | | |  | | --- | | **FALSE (p173)** | | |

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| |  | | --- | | **Term 420** | | |  | | --- | | **Ch5: How many bits are in an IPv4 address? What about IPv6?** | | | |  | | --- | | **Definition 420** | | |  | | --- | | **IPv4 uses 32-bit addresses; IPv6 uses 128-bit addresses (p175)** | | |

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| |  | | --- | | **Term 421** | | |  | | --- | | **Ch5: What is the Windows command for displaying currently assigned network settings?** | | | |  | | --- | | **Definition 421** | | |  | | --- | | **IPCONFIG (p187)** | | |

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| |  | | --- | | **Term 422** | | |  | | --- | | **Ch5: TRUE OR FALSE: The tag for inserting a photo in an HTML document is .** | | | |  | | --- | | **Definition 422** | | |  | | --- | | **FALSE (p189)** | | |

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| |  | | --- | | **Term 423** | | |  | | --- | | **Ch6: What does SQL stand for?** | | | |  | | --- | | **Definition 423** | | |  | | --- | | **Structured Query Language (p209)** | | |

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| |  | | --- | | **Term 424** | | |  | | --- | | **Ch6: TRUE OR FALSE: The SELECT statement is used to retrieve data from tables in a database.** | | | |  | | --- | | **Definition 424** | | |  | | --- | | **TRUE (p234)** | | |

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| |  | | --- | | **Term 425** | | |  | | --- | | **Ch6: The database design process that structures tables to eliminate duplication and inconsistencies in the data structure is referred to as…** | | | |  | | --- | | **Definition 425** | | |  | | --- | | **Normalization (p216)** | | |

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| |  | | --- | | **Term 426** | | |  | | --- | | **Ch6: What is a primary key?** | | | |  | | --- | | **Definition 426** | | |  | | --- | | **A column or combination of columns that uniquely identifies a row in a table (p219)** | | |

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| |  | | --- | | **Term 427** | | |  | | --- | | **Ch7: What were the three numbering systems detailed in Chapter 7?** | | | |  | | --- | | **Definition 427** | | |  | | --- | | **Decimal, binary, hexadecimal (p253)** | | |

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| |  | | --- | | **Term 428** | | |  | | --- | | **Ch7: Base 16 uses 16 digits. What are they?** | | | |  | | --- | | **Definition 428** | | |  | | --- | | **0-9, A-F (p253)** | | |

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| |  | | --- | | **Term 429** | | |  | | --- | | **Ch7: The word for a group of 8 bits is what?** | | | |  | | --- | | **Definition 429** | | |  | | --- | | **Byte (p262)** | | |

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| |  | | --- | | **Term 430** | | |  | | --- | | **Ch7: The method for representing negative numbers in a computer system is called what?** | | | |  | | --- | | **Definition 430** | | |  | | --- | | **Twos complement (p263)** | | |

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| |  | | --- | | **Term 431** | | |  | | --- | | **Ch8: A can of Pringles is an example of a(n) (array, linked list, or stack?).** | | | |  | | --- | | **Definition 431** | | |  | | --- | | **Stack (p295)** | | |

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| |  | | --- | | **Term 432** | | |  | | --- | | **Ch8: TRUE OR FALSE: The line in a grocery store is a good example of a stack.** | | | |  | | --- | | **Definition 432** | | |  | | --- | | **FALSE (p297)** | | |

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| |  | | --- | | **Term 433** | | |  | | --- | | **Ch8: Each position in a tree is called a what?** | | | |  | | --- | | **Definition 433** | | |  | | --- | | **Node OR vertex (p299)** | | |

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| |  | | --- | | **Term 434** | | |  | | --- | | **Ch8: TRUE OR FALSE: The bubble sort is a new, efficient way to sort long lists.** | | | |  | | --- | | **Definition 434** | | |  | | --- | | **FALSE (p306)** | | |

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| |  | | --- | | **Term 435** | | |  | | --- | | **What was the ENIAC originally wanted to be used for?** | | | |  | | --- | | **Definition 435** | | |  | | --- | | **To help the U.S. Navy Board of Ordnance create trajectory tables for weapons.(pg10)** | | |

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| |  | | --- | | **Term 436** | | |  | | --- | | **How long were transistors used before chips replaced them?** | | | |  | | --- | | **Definition 436** | | |  | | --- | | **About 10 years.(pg16)CH** | | |

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| |  | | --- | | **Term 437** | | |  | | --- | | **What was the first open architecture computer called?** | | | |  | | --- | | **Definition 437** | | |  | | --- | | **Altair 8800(pg20)** | | |

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| |  | | --- | | **Term 438** | | |  | | --- | | **Which came first: ARPANET or the Moon Landing?** | | | |  | | --- | | **Definition 438** | | |  | | --- | | **Moon Landing(pg28)** | | |

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| |  | | --- | | **Term 439** | | |  | | --- | | **What was the original intent for backdoors?** | | | |  | | --- | | **Definition 439** | | |  | | --- | | **Programmers and administrators to log in without using a password to fix an issue.(pg52)** | | |

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| |  | | --- | | **Term 440** | | |  | | --- | | **What does a callback do?** | | | |  | | --- | | **Definition 440** | | |  | | --- | | **It allows users to enter only if the network initiates a call toward said user. (pg61)** | | |

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| |  | | --- | | **Term 441** | | |  | | --- | | **What is the difference between a proxy firewall and a packet-filtering firewall?** | | | |  | | --- | | **Definition 441** | | |  | | --- | | **Proxy firewalls establish links between packets whereas packet-filtering inspects each packet individually.(pg69)** | | |

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| |  | | --- | | **Term 442** | | |  | | --- | | **What does Spyware do?** | | | |  | | --- | | **Definition 442** | | |  | | --- | | **Installs onto a computer without the users knowledge and shares information with a party, usually information that should not be shared.(pg85)** | | |

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| |  | | --- | | **Term 443** | | |  | | --- | | **What type of Boolean expression does electricity naturally work?** | | | |  | | --- | | **Definition 443** | | |  | | --- | | **A NOT operator.(pg106)** | | |

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| |  | | --- | | **Term 444** | | |  | | --- | | **What type of hardware uses a flip-flop or latch operation?** | | | |  | | --- | | **Definition 444** | | |  | | --- | | **RAM.(pg113)** | | |

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| |  | | --- | | **Term 445** | | |  | | --- | | **What does the Von Neumann architecture need to work?** | | | |  | | --- | | **Definition 445** | | |  | | --- | | **Input, control unit, logic unit, storage, output.(pg116)** | | |

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| |  | | --- | | **Term 446** | | |  | | --- | | **Which type of CPU execution is more efficient: Polling or Interrupt handling?** | | | |  | | --- | | **Definition 446** | | |  | | --- | | **Interrupt handling.(pg126)** | | |

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| |  | | --- | | **Term 447** | | |  | | --- | | **Why is fiber-optic cable not used inside establishments?** | | | |  | | --- | | **Definition 447** | | |  | | --- | | **Because it is expensive and too stiff to wire effectively.(pg141-142)** | | |

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| |  | | --- | | **Term 448** | | |  | | --- | | **What is the DSL modem similar or exactly like?** | | | |  | | --- | | **Definition 448** | | |  | | --- | | **A transceiver.(pg159)** | | |

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| |  | | --- | | **Term 449** | | |  | | --- | | **True/False: Do routers already have firewalls installed in them?** | | | |  | | --- | | **Definition 449** | | |  | | --- | | **True.(pg154)** | | |

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| |  | | --- | | **Term 450** | | |  | | --- | | **What is the difference between a LAN and a WAN?** | | | |  | | --- | | **Definition 450** | | |  | | --- | | **A LAN is within a single building, a WAN is within multiple buildings within the vicinity of each other.(pg149)** | | |

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| |  | | --- | | **Term 451** | | |  | | --- | | **What is the first protocol and what does it do?** | | | |  | | --- | | **Definition 451** | | |  | | --- | | **TCP, or Transmission Control Protocol. It is responsible for efficient delivery between computers.(pg174)** | | |

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| |  | | --- | | **Term 452** | | |  | | --- | | **How many IP address nodes are saved for Class A?** | | | |  | | --- | | **Definition 452** | | |  | | --- | | **16 million.(pg176)** | | |

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| |  | | --- | | **Term 453** | | |  | | --- | | **How long does a packet have to live?** | | | |  | | --- | | **Definition 453** | | |  | | --- | | **Between 40 to 60, decreasing by one after each pass through a router.(pg179)** | | |

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| |  | | --- | | **Term 454** | | |  | | --- | | **True/False: Can multiple internal IP addresses connect to the same router for internet?** | | | |  | | --- | | **Definition 454** | | |  | | --- | | **True.(pg186)** | | |

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| |  | | --- | | **Term 455** | | |  | | --- | | **What is the name of the most commonly used database program?** | | | |  | | --- | | **Definition 455** | | |  | | --- | | **dBASE II(pg209)** | | |

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| |  | | --- | | **Term 456** | | |  | | --- | | **What is the difference between a Database and a table?** | | | |  | | --- | | **Definition 456** | | |  | | --- | | **A table is a data file that has rows and columns of information, a Database refers to files of information stored usually with tables.(pg213)** | | |

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| |  | | --- | | **Term 457** | | |  | | --- | | **What is the least used normalization steps?** | | | |  | | --- | | **Definition 457** | | |  | | --- | | **Fourth and Fifth normalizations.(pg223)** | | |

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| |  | | --- | | **Term 458** | | |  | | --- | | **What is cardinality?** | | | |  | | --- | | **Definition 458** | | |  | | --- | | **This shows the numeric occurrences between entities in an ER model, and only in an ER model.(pg228)** | | |

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| |  | | --- | | **Term 459** | | |  | | --- | | **What is IEEE-754?** | | | |  | | --- | | **Definition 459** | | |  | | --- | | **A standard for binary representation for floating point numbers.(pg265)** | | |

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| |  | | --- | | **Term 460** | | |  | | --- | | **How many bits does ASCII provide?** | | | |  | | --- | | **Definition 460** | | |  | | --- | | **7.(pg266)** | | |

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| |  | | --- | | **Term 461** | | |  | | --- | | **Why was Extended ASCII created?** | | | |  | | --- | | **Definition 461** | | |  | | --- | | **Because the addition of symbols for languages needed another bit.(pg266)** | | |

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| |  | | --- | | **Term 462** | | |  | | --- | | **What is RBG coding?** | | | |  | | --- | | **Definition 462** | | |  | | --- | | **A method where it defines a pixel’s color and brightness in terms of Red, Blue, or Green.(pg267)** | | |

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| |  | | --- | | **Term 463** | | |  | | --- | | **True/False: Can an array store a number value of information AND a character value in the same storage?** | | | |  | | --- | | **Definition 463** | | |  | | --- | | **False.(pg280)** | | |

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| |  | | --- | | **Term 464** | | |  | | --- | | **What value number does an index usually begin?** | | | |  | | --- | | **Definition 464** | | |  | | --- | | **The number 0.(pg284)** | | |

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| |  | | --- | | **Term 465** | | |  | | --- | | **True/False: Can a multidimensional array be read going backwards?** | | | |  | | --- | | **Definition 465** | | |  | | --- | | **True.(pg285)** | | |

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| |  | | --- | | **Term 466** | | |  | | --- | | **What does the shell sort do?** | | | |  | | --- | | **Definition 466** | | |  | | --- | | **Works sort of like the insertion sort, except it takes groups of data and sorts them, and then reapplies them back into the entire data, repeating the process until complete.(pg310)** | | |

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| |  | | --- | | **Term 467** | | |  | | --- | | **True or False? Time-sharing is a computer’s capability to share its computing time with many users at a time.** | | | |  | | --- | | **Definition 467** | | |  | | --- | | **True (page 17).** | | |

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| |  | | --- | | **Term 468** | | |  | | --- | | **What is a mainframe?** | | | |  | | --- | | **Definition 468** | | |  | | --- | | **A large, expensive computer, often serving many terminals and used by large organizations; all-first-generation computers were mainframes (page 15).** | | |

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| |  | | --- | | **Term 469** | | |  | | --- | | **True or False? A chip is a collection of transistors on a single piece of hardware.** | | | |  | | --- | | **Definition 469** | | |  | | --- | | **False (page 16).** | | |

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| |  | | --- | | **Term 470** | | |  | | --- | | **What is the name for a program that become so popular that it drives the popularity of the hardware it runs on?** | | | |  | | --- | | **Definition 470** | | |  | | --- | | **Killer App (page 23).** | | |

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| |  | | --- | | **Term 471** | | |  | | --- | | **True or False? Social engineers use their understanding of human behavior to help protect important information.** | | | |  | | --- | | **Definition 471** | | |  | | --- | | **False (page 54).** | | |

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| |  | | --- | | **Term 472** | | |  | | --- | | **A software program, such as Wireshark, that allows the user to listen in on network traffic is called?** | | | |  | | --- | | **Definition 472** | | |  | | --- | | **Sniffer (page 56).** | | |

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| |  | | --- | | **Term 473** | | |  | | --- | | **What is a callback?** | | | |  | | --- | | **Definition 473** | | |  | | --- | | **A method that allows users to connect only by having the network initiate a call to a specified number (page 61).** | | |

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| |  | | --- | | **Term 474** | | |  | | --- | | **True or False? A DRP stands for Disaster Recovery Plan.** | | | |  | | --- | | **Definition 474** | | |  | | --- | | **True (page 61).** | | |

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| |  | | --- | | **Term 475** | | |  | | --- | | **What are the four basic functions that transistor circuits implement inside the CPU?** | | | |  | | --- | | **Definition 475** | | |  | | --- | | **Adding, decoding, shifting, storing (page 103).** | | |

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| |  | | --- | | **Term 476** | | |  | | --- | | **What is the function of the CMOS battery?** | | | |  | | --- | | **Definition 476** | | |  | | --- | | **It powers the small amount of CMOS memory that holds the system configuration while the main power is off (page 102).** | | |

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| |  | | --- | | **Term 477** | | |  | | --- | | **True or False? Boolean operators include AND, OR, NOT, and ELSE.** | | | |  | | --- | | **Definition 477** | | |  | | --- | | **False (104).** | | |

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| |  | | --- | | **Term 478** | | |  | | --- | | **The circuit in the CPU responsible for adding binary numbers is?** | | | |  | | --- | | **Definition 478** | | |  | | --- | | **Adder (111).** | | |

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| |  | | --- | | **Term 479** | | |  | | --- | | **Which wireless technology has worldwide transmission distance?** | | | |  | | --- | | **Definition 479** | | |  | | --- | | **Satellite (page 142).** | | |

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| |  | | --- | | **Term 480** | | |  | | --- | | **True or False? A protocol is a set of rules designed to facilitate communication.** | | | |  | | --- | | **Definition 480** | | |  | | --- | | **True (page 144).** | | |

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| |  | | --- | | **Term 481** | | |  | | --- | | **What is a LAN network?** | | | |  | | --- | | **Definition 481** | | |  | | --- | | **A network of computers in a single building or in close proximity (page 148).** | | |

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| |  | | --- | | **Term 482** | | |  | | --- | | **True or false? A protocol data unit is a packet containing protocol information in addition to data payload.** | | | |  | | --- | | **Definition 482** | | |  | | --- | | **True (148).** | | |

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| |  | | --- | | **Term 483** | | |  | | --- | | **True or False? SMTP is used in transferring primary content files on the World wide web?** | | | |  | | --- | | **Definition 483** | | |  | | --- | | **False (page 173).** | | |

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| |  | | --- | | **Term 484** | | |  | | --- | | **What is the size of a sequence number in bits?** | | | |  | | --- | | **Definition 484** | | |  | | --- | | **32 (page 174).** | | |

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| |  | | --- | | **Term 485** | | |  | | --- | | **True or False? The field in the IP header that enables routers to discard packets that have been traversing the network for too long is known as time to live?** | | | |  | | --- | | **Definition 485** | | |  | | --- | | **True (page 179).** | | |

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| |  | | --- | | **Term 486** | | |  | | --- | | **What is the name for the Top-level domain for the U.S. military?** | | | |  | | --- | | **Definition 486** | | |  | | --- | | **.mil (page 184).** | | |

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| |  | | --- | | **Term 487** | | |  | | --- | | **What does SQL stand for?** | | | |  | | --- | | **Definition 487** | | |  | | --- | | **Structured Query Language (page 209).** | | |

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| |  | | --- | | **Term 488** | | |  | | --- | | **True or false? A Sort Key in a database table, used to determine the start of a sequential query of a database.** | | | |  | | --- | | **Definition 488** | | |  | | --- | | **False (page 214).** | | |

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| |  | | --- | | **Term 489** | | |  | | --- | | **Transitive dependency exists when?** | | | |  | | --- | | **Definition 489** | | |  | | --- | | **One column is dependent on another column that isn’t the primary key (page 222).** | | |

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| |  | | --- | | **Term 490** | | |  | | --- | | **What are the two types of relationships in databases?** | | | |  | | --- | | **Definition 490** | | |  | | --- | | **One-to-many, One-to-one (page 226).** | | |

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| |  | | --- | | **Term 491** | | |  | | --- | | **True or False? A hexadecimal has a base number of 8.** | | | |  | | --- | | **Definition 491** | | |  | | --- | | **False (page 253).** | | |

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| |  | | --- | | **Term 492** | | |  | | --- | | **What is the term used instead of decimal point because the number might not be in decimal?** | | | |  | | --- | | **Definition 492** | | |  | | --- | | **Radix point (page 254).** | | |

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| |  | | --- | | **Term 493** | | |  | | --- | | **What is another name for a whole number (positive, zero, or negative) that has no fractional portion?** | | | |  | | --- | | **Definition 493** | | |  | | --- | | **Integer (page 263).** | | |

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| |  | | --- | | **Term 494** | | |  | | --- | | **True or False? The term sometimes used to refer 4 bits (half a byte) is called a nibble?** | | | |  | | --- | | **Definition 494** | | |  | | --- | | **True (page 262).** | | |

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| |  | | --- | | **Term 495** | | |  | | --- | | **Which memory data structure is considered the simplest?** | | | |  | | --- | | **Definition 495** | | |  | | --- | | **Array (page 280).** | | |

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| |  | | --- | | **Term 496** | | |  | | --- | | **Which symbol is used to tell the computer that the end of the statement has been reached?** | | | |  | | --- | | **Definition 496** | | |  | | --- | | **Semicolon (page 282).** | | |

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| |  | | --- | | **Term 497** | | |  | | --- | | **What is the function of an offset?** | | | |  | | --- | | **Definition 497** | | |  | | --- | | **It’s used to specify the distance between memory locations (page 283).** | | |

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| |  | | --- | | **Term 498** | | |  | | --- | | **What is the name of the process of a routine calling itself?** | | | |  | | --- | | **Definition 498** | | |  | | --- | | **Recursion (page 310).** | | |