[Click here](http://www.flashcardmachine.com/print/#) to tell your browser to print these cards.

***These are designed to be printed in portrait mode. Once printed, cut horizontally and fold down the middle to create two-sided cards.***

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Specific Cards:

*(list card numbers separated by commas i.e. 1,5,23,90)*

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| |  | | --- | | **Term 1** | | |  | | --- | | **Ch.1) True or False? One of the first applications of mathematics was to measure property.** | | | |  | | --- | | **Definition 1** | | |  | | --- | | **True (pg. 6)** | | |

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| |  | | --- | | **Term 2** | | |  | | --- | | **Ch.1) True or False? The Greeks were the first to develop the concept of 0.** | | | |  | | --- | | **Definition 2** | | |  | | --- | | **False (pg. 6)** | | |

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| |  | | --- | | **Term 3** | | |  | | --- | | **Ch.1) What could the Von Neumann machine do that previous computers could not do?** | | | |  | | --- | | **Definition 3** | | |  | | --- | | **It could store programs. (pg. 11)** | | |

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| |  | | --- | | **Term 4** | | |  | | --- | | **Ch.1) A large, expensive computer, serving many terminals and used by large organizations is a \_\_\_.** | | | |  | | --- | | **Definition 4** | | |  | | --- | | **Mainframe (pg. 15)** | | |

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| |  | | --- | | **Term 5** | | |  | | --- | | **Ch.2) True or False? All crackers break into computer systems in order to cause harm.** | | | |  | | --- | | **Definition 5** | | |  | | --- | | **False (pg. 51)** | | |

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| |  | | --- | | **Term 6** | | |  | | --- | | **Ch.2) True or False? All bots are malicious?** | | | |  | | --- | | **Definition 6** | | |  | | --- | | **False (pg. 53)** | | |

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| |  | | --- | | **Term 7** | | |  | | --- | | **Ch.2) What is the most effective way crackers get into a particular system?** | | | |  | | --- | | **Definition 7** | | |  | | --- | | **Social engineering (pg. 54)** | | |

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| |  | | --- | | **Term 8** | | |  | | --- | | **Ch.2) What is the term for the relationship between vulnerability and threat?** | | | |  | | --- | | **Definition 8** | | |  | | --- | | **Risk (pg. 56)** | | |

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| |  | | --- | | **Term 9** | | |  | | --- | | **Ch.3) What are the four basic functions of a CPU?** | | | |  | | --- | | **Definition 9** | | |  | | --- | | **Adding, decoding, shifting, storing (pg. 103)** | | |

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| |  | | --- | | **Term 10** | | |  | | --- | | **Ch.3) True or False? Decoders are used to react to specific bit patterns.** | | | |  | | --- | | **Definition 10** | | |  | | --- | | **True (pg. 103)** | | |

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| |  | | --- | | **Term 11** | | |  | | --- | | **Ch.3) True or False? Semiconductors have a high electric conductivity.** | | | |  | | --- | | **Definition 11** | | |  | | --- | | **False (pg. 103)** | | |

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| |  | | --- | | **Term 12** | | |  | | --- | | **Ch.3) If an AND gate’s output is one, what are the possible inputs?** | | | |  | | --- | | **Definition 12** | | |  | | --- | | **Both inputs must be 1 (pg. 105)** | | |

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| |  | | --- | | **Term 13** | | |  | | --- | | **Ch.4) Why are copper wires twisted?** | | | |  | | --- | | **Definition 13** | | |  | | --- | | **To eliminate inductance (pg. 140)** | | |

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| |  | | --- | | **Term 14** | | |  | | --- | | **Ch.4) Name one advantage of fiber-optic cable over copper wire.** | | | |  | | --- | | **Definition 14** | | |  | | --- | | **Faster transmission speed, no inductance, attenuation is not as bad. (pg. 141)** | | |

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| |  | | --- | | **Term 15** | | |  | | --- | | **Ch.4) True or False? A protocol is a set of rules designed to facilitate communication.** | | | |  | | --- | | **Definition 15** | | |  | | --- | | **True (pg. 144)** | | |

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| |  | | --- | | **Term 16** | | |  | | --- | | **Ch.4) How many layers are in the OSI model?** | | | |  | | --- | | **Definition 16** | | |  | | --- | | **7 (pg. 147)** | | |

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| |  | | --- | | **Term 17** | | |  | | --- | | **Ch.5) What is a POP?** | | | |  | | --- | | **Definition 17** | | |  | | --- | | **An access point to the internet. (pg. 172)** | | |

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| |  | | --- | | **Term 18** | | |  | | --- | | **Ch.5) A unique number assigned to network devices is called \_\_?** | | | |  | | --- | | **Definition 18** | | |  | | --- | | **IP Address (pg. 175)** | | |

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| |  | | --- | | **Term 19** | | |  | | --- | | **Ch.5) A block of IP addresses that form a separate network is a \_\_\_?** | | | |  | | --- | | **Definition 19** | | |  | | --- | | **Subnet (pg. 177)** | | |

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| |  | | --- | | **Term 20** | | |  | | --- | | **Ch.5) True or False? All routers cost about $50.** | | | |  | | --- | | **Definition 20** | | |  | | --- | | **False (pg. 179)** | | |

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| |  | | --- | | **Term 21** | | |  | | --- | | **Ch.6) What is a database?** | | | |  | | --- | | **Definition 21** | | |  | | --- | | **Data that has been logically related and organized into a file or set of files to allow access and use (pg. 207)** | | |

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| |  | | --- | | **Term 22** | | |  | | --- | | **Ch.6) When someone says “sequel,” what do they mean?** | | | |  | | --- | | **Definition 22** | | |  | | --- | | **Structured Query Language or SQL for short (pg. 207)** | | |

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| |  | | --- | | **Term 23** | | |  | | --- | | **Ch.6) Name one DMBS.** | | | |  | | --- | | **Definition 23** | | |  | | --- | | **Microsoft Access, or DB2 by Intel, or Paradox by Corel. (pg. 210)** | | |

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| |  | | --- | | **Term 24** | | |  | | --- | | **Ch.6) What is the advantage of using an index?** | | | |  | | --- | | **Definition 24** | | |  | | --- | | **You can find data without scanning the entire table. (pg. 213)** | | |

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| |  | | --- | | **Term 25** | | |  | | --- | | **Ch.7) What is the term used for a decimal point when you are not using the decimal numbering system?** | | | |  | | --- | | **Definition 25** | | |  | | --- | | **A radix point. (pg. 254)** | | |

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| |  | | --- | | **Term 26** | | |  | | --- | | **Ch.7) True or False? 2^2 = 2\*2** | | | |  | | --- | | **Definition 26** | | |  | | --- | | **False (pg. 252)** | | |

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| |  | | --- | | **Term 27** | | |  | | --- | | **Ch.7) What are the digits in the hexadecimal numbering system?** | | | |  | | --- | | **Definition 27** | | |  | | --- | | **0-F (pg. 253)** | | |

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| |  | | --- | | **Term 28** | | |  | | --- | | **Ch.7) How many binary digits does one hexadecimal digit represent?** | | | |  | | --- | | **Definition 28** | | |  | | --- | | **4 (pg. 263)** | | |

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| |  | | --- | | **Term 29** | | |  | | --- | | **Ch.8) What is the simplest memory data structure?** | | | |  | | --- | | **Definition 29** | | |  | | --- | | **An array (pg.280)** | | |

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| |  | | --- | | **Term 30** | | |  | | --- | | **Ch.8) What is the term for the highest position in an array?** | | | |  | | --- | | **Definition 30** | | |  | | --- | | **The upper bound (pg. 284)** | | |

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| |  | | --- | | **Term 31** | | |  | | --- | | **Ch.8) What kind of data structure holds dynamic lists of data that can vary in size?** | | | |  | | --- | | **Definition 31** | | |  | | --- | | **Lists (pg. 290)** | | |

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| |  | | --- | | **Term 32** | | |  | | --- | | **Ch.8) True or False? Null is the same thing as blank or 0.** | | | |  | | --- | | **Definition 32** | | |  | | --- | | **False (pg. 292)** | | |

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| |  | | --- | | **Term 33** | | |  | | --- | | **In Chapter 1, which daughter of Lord Byron helped Charles Babbage and is considered to be the first programmer?** | | | |  | | --- | | **Definition 33** | | |  | | --- | | **Ada Lovelace Byron (Page 8)** | | |

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| |  | | --- | | **Term 34** | | |  | | --- | | **In Chapter 1, what was the collective name of the British computers that helped crack the Enigma code?** | | | |  | | --- | | **Definition 34** | | |  | | --- | | **Colossus (Page 12)** | | |

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| |  | | --- | | **Term 35** | | |  | | --- | | **True or False? In Chapter 1, IBM chose to go with Microsoft because Gary Kildall's CP/M operating system had a $10 price per copy?** | | | |  | | --- | | **Definition 35** | | |  | | --- | | **True (Page 24)** | | |

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| |  | | --- | | **Term 36** | | |  | | --- | | **In Chapter 1, who is credited as the inventor of the World Wide Web?** | | | |  | | --- | | **Definition 36** | | |  | | --- | | **Tim Berners-Lee (Page 30)** | | |

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| |  | | --- | | **Term 37** | | |  | | --- | | **In Chapter 2, the man known as Cap'n Crunch and who helped write some of the most important applications for Microsoft was actually named?** | | | |  | | --- | | **Definition 37** | | |  | | --- | | **John Draper (Page 50)** | | |

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| |  | | --- | | **Term 38** | | |  | | --- | | **True or False? In Chapter 2, a Modification attack prevents legitimate users from using resources?** | | | |  | | --- | | **Definition 38** | | |  | | --- | | **False, this is a Denial-of-service attack. (Page 56)** | | |

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| |  | | --- | | **Term 39** | | |  | | --- | | **In Chapter 2, which policy defines who can use the company's computer's and networks as well as how and when?** | | | |  | | --- | | **Definition 39** | | |  | | --- | | **The Acceptable Use Policy (Page 61)** | | |

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| |  | | --- | | **Term 40** | | |  | | --- | | **True or False? In Chapter 2, if you are doing any online shopping or banking, the use of 40-bit encryption is sufficient.** | | | |  | | --- | | **Definition 40** | | |  | | --- | | **False, 128-bit encryption should be used. (Page 65)** | | |

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| |  | | --- | | **Term 41** | | |  | | --- | | **In Chapter 3, what purpose does the system clock serve?** | | | |  | | --- | | **Definition 41** | | |  | | --- | | **Provides synchronizing and timing for operating the CPU and other circuitry (Page 117)** | | |

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| |  | | --- | | **Term 42** | | |  | | --- | | **True or False? In Chapter 3, there is no form of ROM (read-only memory) that can be modified in any way.** | | | |  | | --- | | **Definition 42** | | |  | | --- | | **False, certain types of ROM such as EEPROM can be modified under certain circumstances. (Page 119)** | | |

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| |  | | --- | | **Term 43** | | |  | | --- | | **In Chapter 3, multiple hard drives connected to work together as a unit are known as what?** | | | |  | | --- | | **Definition 43** | | |  | | --- | | **Redundant array of independent disks (RAID) (Page 122)** | | |

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| |  | | --- | | **Term 44** | | |  | | --- | | **In Chapter 3, what are the two techniques given for processing input and output information?** | | | |  | | --- | | **Definition 44** | | |  | | --- | | **Polling and Interrupt Handling (Page 126)** | | |

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| |  | | --- | | **Term 45** | | |  | | --- | | **In Chapter 4, what is the maximum transmission distance for WLAN 802.11n?** | | | |  | | --- | | **Definition 45** | | |  | | --- | | **200 feet or 68 meters (Page 142)** | | |

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| |  | | --- | | **Term 46** | | |  | | --- | | **True or False? In Chapter 4, the Application layer is responsible for giving applications access to the network.** | | | |  | | --- | | **Definition 46** | | |  | | --- | | **True (Page 147)** | | |

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| |  | | --- | | **Term 47** | | |  | | --- | | **True or False? In Chapter 4, a repeater has multiple inputs and outputs so that multiple nodes can use it.** | | | |  | | --- | | **Definition 47** | | |  | | --- | | **False, this describes a hub. (Page 153)** | | |

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| |  | | --- | | **Term 48** | | |  | | --- | | **In Chapter 4, what is the maximum speed a cable modem is capable of?** | | | |  | | --- | | **Definition 48** | | |  | | --- | | **42Mbps, though normally the provider limits speeds to less than 1 Mbps. (Page 159)** | | |

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| |  | | --- | | **Term 49** | | |  | | --- | | **True or False? In Chapter 5, an IP address is made up of a 16-bit number.** | | | |  | | --- | | **Definition 49** | | |  | | --- | | **False, IP adresses use 32-bit numbers. (Page 175)** | | |

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| |  | | --- | | **Term 50** | | |  | | --- | | **In Chapter 5, what is the organization under contract to the US government to allocate IP adresses to ISPs?** | | | |  | | --- | | **Definition 50** | | |  | | --- | | **The Internet Assigned Numbers Authority (IANA) (Page 177)** | | |

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| |  | | --- | | **Term 51** | | |  | | --- | | **In Chapter 5, what is the range of IP adresses reserved for internal LAN use?** | | | |  | | --- | | **Definition 51** | | |  | | --- | | **192.168.0.0 to 192.168.255.255 (Subnet mask 255.255.0.0) (Page 186)** | | |

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| |  | | --- | | **Term 52** | | |  | | --- | | **True or False? HTML tags must be in lowercase letters to display properly on the website.** | | | |  | | --- | | **Definition 52** | | |  | | --- | | **False, HTML is not case sensitive. (Page 191)** | | |

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| |  | | --- | | **Term 53** | | |  | | --- | | **In Chapter 6, what does the acronym SQL stand for?** | | | |  | | --- | | **Definition 53** | | |  | | --- | | **Structured Query Language (Page 209)** | | |

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| |  | | --- | | **Term 54** | | |  | | --- | | **True or False? In Chapter 6, using the SQL keyword NULL with the CREATE TABLE syntax allows a field to be left blank.** | | | |  | | --- | | **Definition 54** | | |  | | --- | | **True (Page 232)** | | |

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| |  | | --- | | **Term 55** | | |  | | --- | | **In Chapter 6, what is the most commonly used SQL statement?** | | | |  | | --- | | **Definition 55** | | |  | | --- | | **The SELECT statement is the most commonly used, and is used to retrieve data. (Page 234)** | | |

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| |  | | --- | | **Term 56** | | |  | | --- | | **True or False? In Chapter 6, the SQL keyword ASC is used to return data in ascending order.** | | | |  | | --- | | **Definition 56** | | |  | | --- | | **False, data is returned in ascending order by default. The DESC keyword is used to return data in descending order. (Page 239)** | | |

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| |  | | --- | | **Term 57** | | |  | | --- | | **In Chapter 7, what is the point that divides the fractional portion and the whole portion of a number called?** | | | |  | | --- | | **Definition 57** | | |  | | --- | | **The Radix Point (Page 254)** | | |

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| |  | | --- | | **Term 58** | | |  | | --- | | **True or False? In the twos complement method of storing signed numbers, the right-most bit of the binary number is reserved as a sign bit.** | | | |  | | --- | | **Definition 58** | | |  | | --- | | **False, the left-most bit is saved as the sign bit. 1 represents negative and 0 represents positive. (Page 263)** | | |

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| |  | | --- | | **Term 59** | | |  | | --- | | **In Chapter 7, which specification dictates how floating-point numbers are stored in most Intel-based computers?** | | | |  | | --- | | **Definition 59** | | |  | | --- | | **IEEE-754 (Page 265)** | | |

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| |  | | --- | | **Term 60** | | |  | | --- | | **In Chapter 7, which three colors are used in RGB encoding?** | | | |  | | --- | | **Definition 60** | | |  | | --- | | **Red, green, and blue (Page 267)** | | |

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| |  | | --- | | **Term 61** | | |  | | --- | | **In Chapter 8, a single array can store how many different types of data?** | | | |  | | --- | | **Definition 61** | | |  | | --- | | **A single array can only store a single kind of data. (Page 280)** | | |

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| |  | | --- | | **Term 62** | | |  | | --- | | **True or False? An easy way to remember what a pointer is, is to think of it as an address.** | | | |  | | --- | | **Definition 62** | | |  | | --- | | **True (Page 291)** | | |

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| |  | | --- | | **Term 63** | | |  | | --- | | **True or False? A leaf node is any node on a binary tree that has no children.** | | | |  | | --- | | **Definition 63** | | |  | | --- | | **True (Page 300)** | | |

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| |  | | --- | | **Term 64** | | |  | | --- | | **In Chapter 8, a quicksort breaks data down into smaller and smaller lists by calling itself over and over until each list is sorted. The process of a routine calling itself is what?** | | | |  | | --- | | **Definition 64** | | |  | | --- | | **Recursion (Page 310)** | | |

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| |  | | --- | | **Term 65** | | |  | | --- | | **Preceding the transistor, it can be integrated into a circuit but takes more power, is larger, and burns out more quickly.** | | | |  | | --- | | **Definition 65** | | |  | | --- | | **Vacuum tubes (page 10)** | | |

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| |  | | --- | | **Term 66** | | |  | | --- | | **The numeric language of the computer based on the number system of 1s and 0s** | | | |  | | --- | | **Definition 66** | | |  | | --- | | **Binary (page 13)** | | |

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| |  | | --- | | **Term 67** | | |  | | --- | | **A piece of encased silicon the size of your fingernail that holds integrated circuits.** | | | |  | | --- | | **Definition 67** | | |  | | --- | | **Chip (page 16)** | | |

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| |  | | --- | | **Term 68** | | |  | | --- | | **A CPU on a single chip used in microcomputers.** | | | |  | | --- | | **Definition 68** | | |  | | --- | | **Microprocessor (page 19)** | | |

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| |  | | --- | | **Term 69** | | |  | | --- | | **A document written that justifies cracking into systems as an ethical exercise.** | | | |  | | --- | | **Definition 69** | | |  | | --- | | **Hackers Manifesto (page 51)** | | |

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| |  | | --- | | **Term 70** | | |  | | --- | | **An uninvited guest program with the potential to damage files and the operating system.** | | | |  | | --- | | **Definition 70** | | |  | | --- | | **Virus (page 53)** | | |

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| |  | | --- | | **Term 71** | | |  | | --- | | **Transforming original data into coded data so that only authorized parties can interpret it.** | | | |  | | --- | | **Definition 71** | | |  | | --- | | **Encryption (page 57)** | | |

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| |  | | --- | | **Term 72** | | |  | | --- | | **A program designed to detect and block computer viruses.** | | | |  | | --- | | **Definition 72** | | |  | | --- | | **Antivirus software (page 64)** | | |

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| |  | | --- | | **Term 73** | | |  | | --- | | **True/False Any Boolean expression can be represented by a truth table.** | | | |  | | --- | | **Definition 73** | | |  | | --- | | **True (page105)** | | |

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| |  | | --- | | **Term 74** | | |  | | --- | | **The circuit in the CPU responsible for adding binary numbers.** | | | |  | | --- | | **Definition 74** | | |  | | --- | | **Adder (page 111)** | | |

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| |  | | --- | | **Term 75** | | |  | | --- | | **The set of rules governing the timing of data on a computer bus.** | | | |  | | --- | | **Definition 75** | | |  | | --- | | **Bus protocol (page 117)** | | |

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| |  | | --- | | **Term 76** | | |  | | --- | | **The most commonly used form of mass storage is still the ?** | | | |  | | --- | | **Definition 76** | | |  | | --- | | **Hard drive (page 121)** | | |

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| |  | | --- | | **Term 77** | | |  | | --- | | **A set of rules designed to facilitate communication.** | | | |  | | --- | | **Definition 77** | | |  | | --- | | **Protocol (page 144)** | | |

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| |  | | --- | | **Term 78** | | |  | | --- | | **HTTP stands for?** | | | |  | | --- | | **Definition 78** | | |  | | --- | | **Hypertext transfer protocol** | | |

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| |  | | --- | | **Term 79** | | |  | | --- | | **A network device that protects a network by filtering out potentially harmful incoming and outgoing traffic.** | | | |  | | --- | | **Definition 79** | | |  | | --- | | **Firewall (page 154)** | | |

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| |  | | --- | | **Term 80** | | |  | | --- | | **True/False The main method for modifying data to take up less bandwidth is compressing it.** | | | |  | | --- | | **Definition 80** | | |  | | --- | | **True (page 156)** | | |

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| |  | | --- | | **Term 81** | | |  | | --- | | **FTP stands for?** | | | |  | | --- | | **Definition 81** | | |  | | --- | | **File transfer protocol (page 173)** | | |

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| |  | | --- | | **Term 82** | | |  | | --- | | **True/False The internet would not exist without the capability of routers.** | | | |  | | --- | | **Definition 82** | | |  | | --- | | **True (page 178)** | | |

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| |  | | --- | | **Term 83** | | |  | | --- | | **The layer of the OSI model that ensures delivery of entire file or message.** | | | |  | | --- | | **Definition 83** | | |  | | --- | | **Transport layer (page 180)** | | |

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| |  | | --- | | **Term 84** | | |  | | --- | | **The layer of the OSI model that consists of the cabling.** | | | |  | | --- | | **Definition 84** | | |  | | --- | | **Physical layer (page 180)** | | |

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| |  | | --- | | **Term 85** | | |  | | --- | | **The database language used to modify, query and extract information.** | | | |  | | --- | | **Definition 85** | | |  | | --- | | **SQL (page 209)** | | |

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| |  | | --- | | **Term 86** | | |  | | --- | | **A column or combination of columns that uniquely identifies a row in a table.** | | | |  | | --- | | **Definition 86** | | |  | | --- | | **Primary Key (page 219)** | | |

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| |  | | --- | | **Term 87** | | |  | | --- | | **A column in one table that relates to a primary key in another table.** | | | |  | | --- | | **Definition 87** | | |  | | --- | | **Foreign key (page 226)** | | |

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| |  | | --- | | **Term 88** | | |  | | --- | | **True/False SQL stands for Simple Query Limitations.** | | | |  | | --- | | **Definition 88** | | |  | | --- | | **False (page 230)** | | |

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| |  | | --- | | **Term 89** | | |  | | --- | | **True/False The base 10 numbering system has 16 entities.** | | | |  | | --- | | **Definition 89** | | |  | | --- | | **False** | | |

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| |  | | --- | | **Term 90** | | |  | | --- | | **A number that has no fractional portion.** | | | |  | | --- | | **Definition 90** | | |  | | --- | | **Whole number (page 263)** | | |

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| |  | | --- | | **Term 91** | | |  | | --- | | **A 16bit standard for storing text or script information.** | | | |  | | --- | | **Definition 91** | | |  | | --- | | **Unicode (page 266)** | | |

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| |  | | --- | | **Term 92** | | |  | | --- | | **The basic unit of color on a computer display or image.** | | | |  | | --- | | **Definition 92** | | |  | | --- | | **Pixel (page 267)** | | |

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| |  | | --- | | **Term 93** | | |  | | --- | | **A memory variable containing the address of a memory cell as its data.** | | | |  | | --- | | **Definition 93** | | |  | | --- | | **Pointer (page 291)** | | |

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| |  | | --- | | **Term 94** | | |  | | --- | | **A group of one or more related commands that perform a task.** | | | |  | | --- | | **Definition 94** | | |  | | --- | | **(page 296)** | | |

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| |  | | --- | | **Term 95** | | |  | | --- | | **True/False A data structure that represents a hierarchical structure similar to genealogical charts is called a queue.** | | | |  | | --- | | **Definition 95** | | |  | | --- | | **False (page 299)** | | |

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| |  | | --- | | **Term 96** | | |  | | --- | | **The process of a routine calling itself.** | | | |  | | --- | | **Definition 96** | | |  | | --- | | **Recursion (page 310)** | | |

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| |  | | --- | | **Term 97** | | |  | | --- | | **True or False? Tim-Berners Lee created the webpage and the browser, two key components of the worldwide web.** | | | |  | | --- | | **Definition 97** | | |  | | --- | | **True (Page 30)** | | |

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| |  | | --- | | **Term 98** | | |  | | --- | | **The possiblity of computer being embedded into almost everything and communicate is called** | | | |  | | --- | | **Definition 98** | | |  | | --- | | **Ubiquitous Computing (Page 34)** | | |

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| |  | | --- | | **Term 99** | | |  | | --- | | **What generation of Hardward and Software includes parallel computing?** | | | |  | | --- | | **Definition 99** | | |  | | --- | | **Fifth (Page 27)** | | |

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| |  | | --- | | **Term 100** | | |  | | --- | | **True or False? Herman Hollerith invented the Jacquard Loom.** | | | |  | | --- | | **Definition 100** | | |  | | --- | | **False (Page 6-7)** | | |

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| |  | | --- | | **Term 101** | | |  | | --- | | **Subverting the phone system to get free service is called what?** | | | |  | | --- | | **Definition 101** | | |  | | --- | | **Phreaking (Page 50)** | | |

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| |  | | --- | | **Term 102** | | |  | | --- | | **An amateur hacker who simply uses the hacking tools developed by others is called what?** | | | |  | | --- | | **Definition 102** | | |  | | --- | | **Script Kiddie (Page 51)** | | |

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| |  | | --- | | **Term 103** | | |  | | --- | | **True or False? Repudiation Attacks are attacks that prevent legitimate users from using the system or accessing information.** | | | |  | | --- | | **Definition 103** | | |  | | --- | | **False (Page 56)** | | |

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| |  | | --- | | **Term 104** | | |  | | --- | | **Biological identifcation such as fingerprints, voice dynamics, or retinal scans; considered more secure than password authentication is known as what?** | | | |  | | --- | | **Definition 104** | | |  | | --- | | **Biometrics (Page 62)** | | |

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| |  | | --- | | **Term 105** | | |  | | --- | | **Transistors are made of what type of material?** | | | |  | | --- | | **Definition 105** | | |  | | --- | | **semiconductors (Page 103)** | | |

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| |  | | --- | | **Term 106** | | |  | | --- | | **True or False? An OR gate returns 1 if both inputs are 1.** | | | |  | | --- | | **Definition 106** | | |  | | --- | | **True (Page 106)** | | |

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| |  | | --- | | **Term 107** | | |  | | --- | | **True or False? A NOT gate returns 1 is the input is 0.** | | | |  | | --- | | **Definition 107** | | |  | | --- | | **True (Page 108)** | | |

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| |  | | --- | | **Term 108** | | |  | | --- | | **True or False? A NAND gate returns 1 is both inputers are 1.** | | | |  | | --- | | **Definition 108** | | |  | | --- | | **False (Page 109)** | | |

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| |  | | --- | | **Term 109** | | |  | | --- | | **A measurement of how much information can be carried in a given time period over a wired or wireless communication medium is known as what?** | | | |  | | --- | | **Definition 109** | | |  | | --- | | **Bandwidth (Page 138)** | | |

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| |  | | --- | | **Term 110** | | |  | | --- | | **True or False? NTFS is a networking protocol.** | | | |  | | --- | | **Definition 110** | | |  | | --- | | **False (page 144)** | | |

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| |  | | --- | | **Term 111** | | |  | | --- | | **If you wanted to amplify a signal along a long cable what network device would you use?** | | | |  | | --- | | **Definition 111** | | |  | | --- | | **Repeater (Page 153)** | | |

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| |  | | --- | | **Term 112** | | |  | | --- | | **What does WAN stand for?** | | | |  | | --- | | **Definition 112** | | |  | | --- | | **Wide Area Network (page 149)** | | |

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| |  | | --- | | **Term 113** | | |  | | --- | | **A Protocol designed to exchange text and binary files via the internet is known as?** | | | |  | | --- | | **Definition 113** | | |  | | --- | | **FTP (page 173)** | | |

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| |  | | --- | | **Term 114** | | |  | | --- | | **True of False? IPv6 uses 64 Bit adresses.** | | | |  | | --- | | **Definition 114** | | |  | | --- | | **False (Page 175)** | | |

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| |  | | --- | | **Term 115** | | |  | | --- | | **List the Seven layers of the OSI model, highest to lowest.** | | | |  | | --- | | **Definition 115** | | |  | | --- | | **Application,Presentation,Session,Transport,Network,Data Link, Physical (page 180)** | | |

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| |  | | --- | | **Term 116** | | |  | | --- | | **True or False? When creating a database, First Normal Form(1NF) is the process of eliminating repeating fields so that every column has only one value.** | | | |  | | --- | | **Definition 116** | | |  | | --- | | **True (page 218)** | | |

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| |  | | --- | | **Term 117** | | |  | | --- | | **When one column is dependent on another column that isn't a primary key is called what?** | | | |  | | --- | | **Definition 117** | | |  | | --- | | **Transitive Dependency (Page 222)** | | |

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| |  | | --- | | **Term 118** | | |  | | --- | | **True or False? A One to One relationship is the most common relationship.** | | | |  | | --- | | **Definition 118** | | |  | | --- | | **False (Page 227)** | | |

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| |  | | --- | | **Term 119** | | |  | | --- | | **What clause in SQL searches for and retrieves information?** | | | |  | | --- | | **Definition 119** | | |  | | --- | | **WHERE (Page 235)** | | |

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| |  | | --- | | **Term 120** | | |  | | --- | | **232 when converted to binary is what?** | | | |  | | --- | | **Definition 120** | | |  | | --- | | **1110 1000 (Page 259)** | | |

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| |  | | --- | | **Term 121** | | |  | | --- | | **1110 1000 converted to Hexadecimal is what?** | | | |  | | --- | | **Definition 121** | | |  | | --- | | **E8 (page 257)** | | |

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| |  | | --- | | **Term 122** | | |  | | --- | | **A method for storing characters with an 8-bit code is called?** | | | |  | | --- | | **Definition 122** | | |  | | --- | | **ASCII (page 266)** | | |

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| |  | | --- | | **Term 123** | | |  | | --- | | **Hexadecimal has how many digits?** | | | |  | | --- | | **Definition 123** | | |  | | --- | | **16 (page 253)** | | |

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| |  | | --- | | **Term 124** | | |  | | --- | | **MyLovelyGardenOfFlowers[10]; is an example of what?** | | | |  | | --- | | **Definition 124** | | |  | | --- | | **An Array (page 280)** | | |

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| |  | | --- | | **Term 125** | | |  | | --- | | **FIFO stands for and is used to describe what?** | | | |  | | --- | | **Definition 125** | | |  | | --- | | **First in, First Out, Queue (page 297)** | | |

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| |  | | --- | | **Term 126** | | |  | | --- | | **In the data structure known as a tree, a ---- is what each position in the tree is called.** | | | |  | | --- | | **Definition 126** | | |  | | --- | | **Node (page 299)** | | |

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| |  | | --- | | **Term 127** | | |  | | --- | | **If I were to declare "int OurCollectiveHitPoints [5] = { };" what number would I use to access the first value in that array?** | | | |  | | --- | | **Definition 127** | | |  | | --- | | **0 (Page 281)** | | |

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| |  | | --- | | **Term 128** | | |  | | --- | | **What is a computers capability to share its computing time with many users at the same time?** | | | |  | | --- | | **Definition 128** | | |  | | --- | | **Time sharing. (pg 17)** | | |

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| |  | | --- | | **Term 129** | | |  | | --- | | **What is a killer app?** | | | |  | | --- | | **Definition 129** | | |  | | --- | | **A software program so popular that it drives the sales of the hardware it uses. (pg 23)** | | |

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| |  | | --- | | **Term 130** | | |  | | --- | | **What are the two main networks that make up the internet?** | | | |  | | --- | | **Definition 130** | | |  | | --- | | **LAN/WAN (pg 29)** | | |

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| |  | | --- | | **Term 131** | | |  | | --- | | **A type of computer installed into another device with the perpose to operate or control its functions is?** | | | |  | | --- | | **Definition 131** | | |  | | --- | | **Embedded computers (pg 33).** | | |

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| |  | | --- | | **Term 132** | | |  | | --- | | **What document justifies hacking/cracking into systems as an ethical exercise?** | | | |  | | --- | | **Definition 132** | | |  | | --- | | **Hackers Manifesto (pg 51)** | | |

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| |  | | --- | | **Term 133** | | |  | | --- | | **What term is given for hackers that believe they are doing society a favor or helping the greater good?** | | | |  | | --- | | **Definition 133** | | |  | | --- | | **Hacktivism. (pg 51)** | | |

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| |  | | --- | | **Term 134** | | |  | | --- | | **(T/F) Hackers can use backdoors in programs to take advantage of them?** | | | |  | | --- | | **Definition 134** | | |  | | --- | | **T (pg 52)** | | |

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| |  | | --- | | **Term 135** | | |  | | --- | | **What is a bot?** | | | |  | | --- | | **Definition 135** | | |  | | --- | | **A software program that can operate autonomously (pg 53)** | | |

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| |  | | --- | | **Term 136** | | |  | | --- | | **What is the purpose of a motherboard?** | | | |  | | --- | | **Definition 136** | | |  | | --- | | **To provide connectivity of all the components in a computer such as the cpu. (pg 100)** | | |

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| |  | | --- | | **Term 137** | | |  | | --- | | **What does the boolean operator OR constitute?** | | | |  | | --- | | **Definition 137** | | |  | | --- | | **Of two inputs one or the other must be true to cause the outcome to become true. (pg 106)** | | |

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| |  | | --- | | **Term 138** | | |  | | --- | | **What is the term that describes the wires, rules and protocols to facilitate data transfer?** | | | |  | | --- | | **Definition 138** | | |  | | --- | | **BUS (pg 117)** | | |

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| |  | | --- | | **Term 139** | | |  | | --- | | **What are the two basic types of memory and what do they stand for?** | | | |  | | --- | | **Definition 139** | | |  | | --- | | **ROM Read Only Memory, RAM Random Access Memory (pg 119).** | | |

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| |  | | --- | | **Term 140** | | |  | | --- | | **What is an example of an unguided transmission media?** | | | |  | | --- | | **Definition 140** | | |  | | --- | | **Infrared, Light Signals (pg 139).** | | |

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| |  | | --- | | **Term 141** | | |  | | --- | | **What transfers data faster out of coaxial, twisted pair, or fiber optic cables?** | | | |  | | --- | | **Definition 141** | | |  | | --- | | **Fiber optic (pg 139).** | | |

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| |  | | --- | | **Term 142** | | |  | | --- | | **(T/F) Datagrams are a set of rules that facilitate communication?** | | | |  | | --- | | **Definition 142** | | |  | | --- | | **F, Protocols (pg 144)** | | |

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| |  | | --- | | **Term 143** | | |  | | --- | | **Which LAN topology is most efficient BUS, RING, STAR?** | | | |  | | --- | | **Definition 143** | | |  | | --- | | **BUS (pg 151)** | | |

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| |  | | --- | | **Term 144** | | |  | | --- | | **The Protocol HTTP facilitates data from?** | | | |  | | --- | | **Definition 144** | | |  | | --- | | **World Wide Web (pg 173)** | | |

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| |  | | --- | | **Term 145** | | |  | | --- | | **(T/F) IPv4 is the most widely used version of IP?** | | | |  | | --- | | **Definition 145** | | |  | | --- | | **T (pg 175)** | | |

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| |  | | --- | | **Term 146** | | |  | | --- | | **What is the organization that allocates IP addresses?** | | | |  | | --- | | **Definition 146** | | |  | | --- | | **IANA (pg 177)** | | |

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| |  | | --- | | **Term 147** | | |  | | --- | | **What is the command prompt used to check your network configuration?** | | | |  | | --- | | **Definition 147** | | |  | | --- | | **IPCONFIG (pg 187)** | | |

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| |  | | --- | | **Term 148** | | |  | | --- | | **A (blank) is information organised logically to allow access and retrieval of the information?** | | | |  | | --- | | **Definition 148** | | |  | | --- | | **Database (pg 207)** | | |

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| |  | | --- | | **Term 149** | | |  | | --- | | **What is a major programming language to query a database?** | | | |  | | --- | | **Definition 149** | | |  | | --- | | **SQL (pg 209)** | | |

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| |  | | --- | | **Term 150** | | |  | | --- | | **A row in a database is also known as?** | | | |  | | --- | | **Definition 150** | | |  | | --- | | **A record (pg 211)** | | |

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| |  | | --- | | **Term 151** | | |  | | --- | | **The FROM statement in SQL determines which (blank) is being used in the query.** | | | |  | | --- | | **Definition 151** | | |  | | --- | | **Table (pg 234)** | | |

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| |  | | --- | | **Term 152** | | |  | | --- | | **Hexadecimal numbering system numbers range(blank) to (blank)?** | | | |  | | --- | | **Definition 152** | | |  | | --- | | **0-F (pg 253)** | | |

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| |  | | --- | | **Term 153** | | |  | | --- | | **What method is used to convert a negative binary number to a positive one?** | | | |  | | --- | | **Definition 153** | | |  | | --- | | **Twos compliment (pg 263)** | | |

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| |  | | --- | | **Term 154** | | |  | | --- | | **A(blank)is a group of 8 bits?** | | | |  | | --- | | **Definition 154** | | |  | | --- | | **byte (pg 262)** | | |

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| |  | | --- | | **Term 155** | | |  | | --- | | **(T/F) A pixel is also known as a picture element?** | | | |  | | --- | | **Definition 155** | | |  | | --- | | **T (pg 267)** | | |

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| |  | | --- | | **Term 156** | | |  | | --- | | **(T/F) A stack is a type of data structure?** | | | |  | | --- | | **Definition 156** | | |  | | --- | | **T (pg 267)** | | |

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| |  | | --- | | **Term 157** | | |  | | --- | | **A(blank) directs the last sequence of data to the next to retrieve the next part of the sequence?** | | | |  | | --- | | **Definition 157** | | |  | | --- | | **Pointer (pg297)** | | |

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| |  | | --- | | **Term 158** | | |  | | --- | | **A(blank)is the order in which data is being retrieved?** | | | |  | | --- | | **Definition 158** | | |  | | --- | | **Queue (pg 297)** | | |

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| |  | | --- | | **Term 159** | | |  | | --- | | **A data structure is?** | | | |  | | --- | | **Definition 159** | | |  | | --- | | **The way computers store data, such as an array. (pg 279)** | | |

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| |  | | --- | | **Term 160** | | |  | | --- | | **Who designed a Difference Engine in 1823?** | | | |  | | --- | | **Definition 160** | | |  | | --- | | **Charles Babbage (page 7)** | | |

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| |  | | --- | | **Term 161** | | |  | | --- | | **True or False? A large expensive computer, often serving many terminals and used by large organizations is called a minicomputer.** | | | |  | | --- | | **Definition 161** | | |  | | --- | | **False (page 15)** | | |

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| |  | | --- | | **Term 162** | | |  | | --- | | **What is a collection of transistors on a single piece of hardware that reduces the circuit's size and physical complexity called?** | | | |  | | --- | | **Definition 162** | | |  | | --- | | **An integrated circuit (page 16)** | | |

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| |  | | --- | | **Term 163** | | |  | | --- | | **True or False? The first CPU chip was named the 4004.** | | | |  | | --- | | **Definition 163** | | |  | | --- | | **True (page 19)** | | |

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| |  | | --- | | **Term 164** | | |  | | --- | | **A program that actively reproduces itself across a network is called what?** | | | |  | | --- | | **Definition 164** | | |  | | --- | | **A worm (page 53)** | | |

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| |  | | --- | | **Term 165** | | |  | | --- | | **True or False? Confidentiality is often used for information that has a high level of encryption.** | | | |  | | --- | | **Definition 165** | | |  | | --- | | **False (page 57)** | | |

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| |  | | --- | | **Term 166** | | |  | | --- | | **What do you call the illegal copying of software?** | | | |  | | --- | | **Definition 166** | | |  | | --- | | **Software piracy (page 80)** | | |

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| |  | | --- | | **Term 167** | | |  | | --- | | **True or False? Spam is unsolicited e-mail.** | | | |  | | --- | | **Definition 167** | | |  | | --- | | **True (page 84)** | | |

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| |  | | --- | | **Term 168** | | |  | | --- | | **What is the name of a table that represents the inputs and outputs of a logic circuit?** | | | |  | | --- | | **Definition 168** | | |  | | --- | | **A truth table (page 105)** | | |

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| |  | | --- | | **Term 169** | | |  | | --- | | **True or False? An adder is the circuit in the CPU responsible for adding binary numbers.** | | | |  | | --- | | **Definition 169** | | |  | | --- | | **True(page 111)** | | |

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| |  | | --- | | **Term 170** | | |  | | --- | | **Which type of memory retains its information without power?** | | | |  | | --- | | **Definition 170** | | |  | | --- | | **ROM (page 119)** | | |

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| |  | | --- | | **Term 171** | | |  | | --- | | **The number of pixels on a monitor refers to its what?** | | | |  | | --- | | **Definition 171** | | |  | | --- | | **Its resolution (page 124)** | | |

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| |  | | --- | | **Term 172** | | |  | | --- | | **True or False? Guided media describes transmission media you can't see that carries radio or light signals.** | | | |  | | --- | | **Definition 172** | | |  | | --- | | **False (page 139)** | | |

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| |  | | --- | | **Term 173** | | |  | | --- | | **How many layers are in the ISO OSI reference model?** | | | |  | | --- | | **Definition 173** | | |  | | --- | | **Seven layers (page 147)** | | |

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| |  | | --- | | **Term 174** | | |  | | --- | | **What must each physical device have to connect to a network?** | | | |  | | --- | | **Definition 174** | | |  | | --- | | **A network interface card or NIC (page 153)** | | |

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| |  | | --- | | **Term 175** | | |  | | --- | | **True or False? A gateway is a device designed to protect an internal network from damage from an external network.** | | | |  | | --- | | **Definition 175** | | |  | | --- | | **False (page 154)** | | |

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| |  | | --- | | **Term 176** | | |  | | --- | | **How many bits make up the number for an IP address?** | | | |  | | --- | | **Definition 176** | | |  | | --- | | **32 bits (page 175)** | | |

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| |  | | --- | | **Term 177** | | |  | | --- | | **What was created to solve the problem of having to remember IP addresses to access Web pages?** | | | |  | | --- | | **Definition 177** | | |  | | --- | | **Domain names (page 183)** | | |

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| |  | | --- | | **Term 178** | | |  | | --- | | **True or False? HTML tags are formatting commands that enable the browser to display the page content in a graphical, easy-to-read format.** | | | |  | | --- | | **Definition 178** | | |  | | --- | | **True (page 188)** | | |

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| |  | | --- | | **Term 179** | | |  | | --- | | **True or False? Google is an example of a search engine.** | | | |  | | --- | | **Definition 179** | | |  | | --- | | **True (page 197)** | | |

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| |  | | --- | | **Term 180** | | |  | | --- | | **True or False? A column is also called a record.** | | | |  | | --- | | **Definition 180** | | |  | | --- | | **False (page 211)** | | |

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| |  | | --- | | **Term 181** | | |  | | --- | | **What is the name of a column that uniquely identifies a row in a table?** | | | |  | | --- | | **Definition 181** | | |  | | --- | | **A primary key (page 219)** | | |

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| |  | | --- | | **Term 182** | | |  | | --- | | **What is the name of a column in one table that relates to a primary key in another table?** | | | |  | | --- | | **Definition 182** | | |  | | --- | | **A foreign key (page 226)** | | |

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| |  | | --- | | **Term 183** | | |  | | --- | | **True or False? The WHERE clause specifies additional criteria for retrieving data from a table.** | | | |  | | --- | | **Definition 183** | | |  | | --- | | **True (page235)** | | |

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| |  | | --- | | **Term 184** | | |  | | --- | | **True or False? The term positional value refers to the point that divides the fractional portion from the whole portion of a number.** | | | |  | | --- | | **Definition 184** | | |  | | --- | | **False (page 254)** | | |

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| |  | | --- | | **Term 185** | | |  | | --- | | **The number 1010 in base 2 converts to what digit in base 16?** | | | |  | | --- | | **Definition 185** | | |  | | --- | | **A (page 258)** | | |

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| |  | | --- | | **Term 186** | | |  | | --- | | **Unicode uses how many bits to store information?** | | | |  | | --- | | **Definition 186** | | |  | | --- | | **16-bits (page 266)** | | |

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| |  | | --- | | **Term 187** | | |  | | --- | | **What are two examples of compressed image formats?** | | | |  | | --- | | **Definition 187** | | |  | | --- | | **JPG and GIF (page 267)** | | |

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| |  | | --- | | **Term 188** | | |  | | --- | | **What is the name of a set of contiguous memory cells used for storing the same type of data?** | | | |  | | --- | | **Definition 188** | | |  | | --- | | **An array(page 280)** | | |

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| |  | | --- | | **Term 189** | | |  | | --- | | **True or False? A linked list is a memory variable containing the address of a memory cell as its data.** | | | |  | | --- | | **Definition 189** | | |  | | --- | | **False (page 290)** | | |

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| |  | | --- | | **Term 190** | | |  | | --- | | **A stack is considered what type of data structure?** | | | |  | | --- | | **Definition 190** | | |  | | --- | | **Last in, first out(page 295)** | | |

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| |  | | --- | | **Term 191** | | |  | | --- | | **True or False? The node that begins the tree is called the vertex.** | | | |  | | --- | | **Definition 191** | | |  | | --- | | **False (page 300)** | | |

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| |  | | --- | | **Term 192** | | |  | | --- | | **(Ch.1)True or False? IBM owes its success to Joseph Jacquard and his programmable loom.** | | | |  | | --- | | **Definition 192** | | |  | | --- | | **True(Page 7)** | | |

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| |  | | --- | | **Term 193** | | |  | | --- | | **(Ch.1)What time frame was considered the first generation years for the development of both computer hardware and software?** | | | |  | | --- | | **Definition 193** | | |  | | --- | | **The 1950's(Page 12)** | | |

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| |  | | --- | | **Term 194** | | |  | | --- | | **(Ch.1)By the 1960's, how much of the market in computers did IBM own?** | | | |  | | --- | | **Definition 194** | | |  | | --- | | **70%(Page 15)** | | |

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| |  | | --- | | **Term 195** | | |  | | --- | | **(Ch.1)True or False? The integration of IE with the dominant operation system was the turning point in what came to be know as the Web Wars?** | | | |  | | --- | | **Definition 195** | | |  | | --- | | **False(Page 32)** | | |

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| |  | | --- | | **Term 196** | | |  | | --- | | **(Ch.2)\_\_\_\_ Means that only those authorized to see or modify a certain level of information can do so.** | | | |  | | --- | | **Definition 196** | | |  | | --- | | **Confidentiality(Page 57)** | | |

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| |  | | --- | | **Term 197** | | |  | | --- | | **(Ch.2)True or False? A good password should be at least 6 characters long and contain real words.** | | | |  | | --- | | **Definition 197** | | |  | | --- | | **False(Page 63)** | | |

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| |  | | --- | | **Term 198** | | |  | | --- | | **(Ch.2)What is another word for a hacker?** | | | |  | | --- | | **Definition 198** | | |  | | --- | | **Cracker(Page 82)** | | |

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| |  | | --- | | **Term 199** | | |  | | --- | | **(Ch.2)What is the name of software that can track, collect, and transmit to a third party or Web site certain information about a user:s computer habits?** | | | |  | | --- | | **Definition 199** | | |  | | --- | | **Spyware(Page 85)** | | |

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| |  | | --- | | **Term 200** | | |  | | --- | | **(Ch.3)What four basic functions do the transistors inside a CPU implement?** | | | |  | | --- | | **Definition 200** | | |  | | --- | | **Adding, Decoding, Shifting, Storing(Page 103)** | | |

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| |  | | --- | | **Term 201** | | |  | | --- | | **(Ch.3)Circuits designed to carry out the function of its Boolean operator are referred to as...** | | | |  | | --- | | **Definition 201** | | |  | | --- | | **Gates(Page 107)** | | |

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| |  | | --- | | **Term 202** | | |  | | --- | | **(Ch.3)True of False? The computers we use today are made up of complex circuits using a process known as Very Large-Scale Integration.** | | | |  | | --- | | **Definition 202** | | |  | | --- | | **True(Page 115)** | | |

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| |  | | --- | | **Term 203** | | |  | | --- | | **(Ch.3)What is a more efficient method than polling for processing input and output information from I/O devices?** | | | |  | | --- | | **Definition 203** | | |  | | --- | | **Interrupt Handling(Page 126)** | | |

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| |  | | --- | | **Term 204** | | |  | | --- | | **(Ch.4)In most instances Coax is being replaced by....** | | | |  | | --- | | **Definition 204** | | |  | | --- | | **Twisted Pair Cables(Page 140)** | | |

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| |  | | --- | | **Term 206** | | |  | | --- | | **(Ch.4)Name three popular broadband WAN solutions.** | | | |  | | --- | | **Definition 206** | | |  | | --- | | **DSL, Cable modems, and satellite.(Page 161)** | | |

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| |  | | --- | | **Term 207** | | |  | | --- | | **(Ch.4)True or False? Network Topologies are the different configurations in which computers are connected to a network.** | | | |  | | --- | | **Definition 207** | | |  | | --- | | **True(Page 150)** | | |

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| |  | | --- | | **Term 208** | | |  | | --- | | **(Ch.5)A collection of LANs and WANs connected to form a giant WAN is referred to as...** | | | |  | | --- | | **Definition 208** | | |  | | --- | | **The Internet(Page 172)** | | |

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| |  | | --- | | **Term 209** | | |  | | --- | | **(Ch.5)True or False? DHCP (Dynamic Host Configuration Protocol) is a key part of the Internet.** | | | |  | | --- | | **Definition 209** | | |  | | --- | | **True(Page 177)** | | |

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| |  | | --- | | **Term 210** | | |  | | --- | | **(Ch.5) Without \_ and \_ we would have to remember the IP address of every website we visit.** | | | |  | | --- | | **Definition 210** | | |  | | --- | | **URL, DNS (Page 183)** | | |

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| |  | | --- | | **Term 211** | | |  | | --- | | **(Ch.5)What is the name of the language Web browsers use to display Web pages?** | | | |  | | --- | | **Definition 211** | | |  | | --- | | **HTML(Page 193)** | | |

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| |  | | --- | | **Term 212** | | |  | | --- | | **(Ch.6)Data that has been organized and logically related to allow access, retrieval, and use of that data is called a...** | | | |  | | --- | | **Definition 212** | | |  | | --- | | **Database(Page207)** | | |

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| |  | | --- | | **Term 213** | | |  | | --- | | **(Ch.6)True or False? A Table is a special file that occupies its own space and specifies one or more columns that determine how information stored in a table can be accessed more efficiently.** | | | |  | | --- | | **Definition 213** | | |  | | --- | | **False(Page 213)** | | |

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| |  | | --- | | **Term 214** | | |  | | --- | | **(Ch.6)\_ is a powerful database language of defining, querying, modifying, and controlling data in a database.** | | | |  | | --- | | **Definition 214** | | |  | | --- | | **SQL(Page 230)** | | |

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| |  | | --- | | **Term 215** | | |  | | --- | | **(Ch.6)What are the the six steps for designing a database?** | | | |  | | --- | | **Definition 215** | | |  | | --- | | **Investigate, Create a master column list, create the tables, assess the relationships, analyze the design, and reevaluate.(Page 241)** | | |

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| |  | | --- | | **Term 216** | | |  | | --- | | **(Ch.7)A key principle of numbering systems is...** | | | |  | | --- | | **Definition 216** | | |  | | --- | | **Positional Value(Page 254)** | | |

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| |  | | --- | | **Term 217** | | |  | | --- | | **(Ch.7)True or False? Twos complements involves performing a conversion on binary digits if the number is negative.** | | | |  | | --- | | **Definition 217** | | |  | | --- | | **True(Page 263)** | | |

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| |  | | --- | | **Term 218** | | |  | | --- | | **(Ch.7)The American National Standards Institute me to standardize the way characters are represented in computers. This ended up being...** | | | |  | | --- | | **Definition 218** | | |  | | --- | | **ASCII(Page 266)** | | |

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| |  | | --- | | **Term 219** | | |  | | --- | | **(Ch.7)True of False? Understanding number conversions and data representations is vital to excelling in the computer field.** | | | |  | | --- | | **Definition 219** | | |  | | --- | | **True(Page 268)** | | |

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| |  | | --- | | **Term 220** | | |  | | --- | | **(Ch.8)Name three (there are more) types of data structures.** | | | |  | | --- | | **Definition 220** | | |  | | --- | | **Lists, stacks, queues.(Page279)** | | |

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| |  | | --- | | **Term 221** | | |  | | --- | | **(Ch.8)A \_ or \_ tells the computer which memory cell to access in the array by looking at the element's position.** | | | |  | | --- | | **Definition 221** | | |  | | --- | | **Index, subscript(Page284)** | | |

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| |  | | --- | | **Term 222** | | |  | | --- | | **(Ch.8)True or False? FIDO is the policy of first in first out.** | | | |  | | --- | | **Definition 222** | | |  | | --- | | **False(Page 297)** | | |

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| |  | | --- | | **Term 223** | | |  | | --- | | **(Ch.8)What is an essential way to organize data?** | | | |  | | --- | | **Definition 223** | | |  | | --- | | **Sorting (Page 305)** | | |

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| |  | | --- | | **Term 224** | | |  | | --- | | **True or False? The transistor replaced the vacuum tube and was smaller, cooler, lasted longer and more costly.** | | | |  | | --- | | **Definition 224** | | |  | | --- | | **False(page 16)** | | |

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| |  | | --- | | **Term 225** | | |  | | --- | | **True or False? We are currently in the fourth generation of comport hardware.** | | | |  | | --- | | **Definition 225** | | |  | | --- | | **False(page 27)** | | |

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| |  | | --- | | **Term 226** | | |  | | --- | | **True or False? Most business use a WAN to communicate within the organization.** | | | |  | | --- | | **Definition 226** | | |  | | --- | | **True(page 29)** | | |

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| |  | | --- | | **Term 227** | | |  | | --- | | **True or False? The first incarnation of the internet was the ARPAnet.** | | | |  | | --- | | **Definition 227** | | |  | | --- | | **True(page 28)** | | |

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| |  | | --- | | **Term 228** | | |  | | --- | | **Shortcuts into programs created by the system designers to facilitate system maintenance are \_\_\_\_\_\_\_\_.** | | | |  | | --- | | **Definition 228** | | |  | | --- | | **Backdoors(page 52)** | | |

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| |  | | --- | | **Term 229** | | |  | | --- | | **True or False? Viruses can also target particular files, such as system files.** | | | |  | | --- | | **Definition 229** | | |  | | --- | | **True(page 53)** | | |

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| |  | | --- | | **Term 230** | | |  | | --- | | **True or False? Encryption is often used for high level, confidential information.** | | | |  | | --- | | **Definition 230** | | |  | | --- | | **True(page 57)** | | |

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| |  | | --- | | **Term 231** | | |  | | --- | | **Software or hardware that acts as a protective filter between an internal computer system and the internet is called a \_\_\_\_\_\_\_\_\_\_\_.** | | | |  | | --- | | **Definition 231** | | |  | | --- | | **Firewall(page 69)** | | |

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| |  | | --- | | **Term 232** | | |  | | --- | | **True or False? Transistors can only turn on and off.** | | | |  | | --- | | **Definition 232** | | |  | | --- | | **True(page 104)** | | |

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| |  | | --- | | **Term 233** | | |  | | --- | | **True or False? The OR Boolean operator returns a true value if the operand is true or false.** | | | |  | | --- | | **Definition 233** | | |  | | --- | | **False(page 106)** | | |

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| |  | | --- | | **Term 234** | | |  | | --- | | **A latch is a digital circuit that can retain the binary value it was set to after the input is removed. It is also called a \_\_\_\_\_\_\_\_\_\_.** | | | |  | | --- | | **Definition 234** | | |  | | --- | | **Flip-flop(page 113)** | | |

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| |  | | --- | | **Term 235** | | |  | | --- | | **In the Von Neumann architecture what is used to get information from the memory to the processor and back.** | | | |  | | --- | | **Definition 235** | | |  | | --- | | **System bus(page 117)** | | |

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| |  | | --- | | **Term 236** | | |  | | --- | | **True or False? The opposition a transmission medium has toward the flow of alternating electrical current is called inductance.** | | | |  | | --- | | **Definition 236** | | |  | | --- | | **False(page 140)** | | |

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| |  | | --- | | **Term 237** | | |  | | --- | | **A set of rules designed to facilitate communications is a \_\_\_\_\_\_\_.** | | | |  | | --- | | **Definition 237** | | |  | | --- | | **Protocol(page 144)** | | |

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| |  | | --- | | **Term 238** | | |  | | --- | | **What type of topology does the typical home network use?** | | | |  | | --- | | **Definition 238** | | |  | | --- | | **Star topology(page 151)** | | |

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| |  | | --- | | **Term 239** | | |  | | --- | | **True or False? A modem converts binary signals using audio.** | | | |  | | --- | | **Definition 239** | | |  | | --- | | **True(page 155)** | | |

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| |  | | --- | | **Term 240** | | |  | | --- | | **True or False? A unique 32-bit number assigned to a network device that uses internet protocol is an IP address.** | | | |  | | --- | | **Definition 240** | | |  | | --- | | **True(page 175)** | | |

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| |  | | --- | | **Term 241** | | |  | | --- | | **The internet protocol used between a computer and a router is \_\_\_\_\_\_\_\_\_.** | | | |  | | --- | | **Definition 241** | | |  | | --- | | **DHCP or Dynamic Host Configuration Protocal(page177)** | | |

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| |  | | --- | | **Term 242** | | |  | | --- | | **True or False? FTP or File Transfer Protocol is used to send email messages over the internet.** | | | |  | | --- | | **Definition 242** | | |  | | --- | | **False(page 181)** | | |

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| |  | | --- | | **Term 243** | | |  | | --- | | **The most widely used method for searching by search engines is\_\_\_\_\_\_\_.** | | | |  | | --- | | **Definition 243** | | |  | | --- | | **Bot or crawler(page 196)** | | |

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| |  | | --- | | **Term 244** | | |  | | --- | | **This is used to arrange data logically to be extracted with little effort later using a query.** | | | |  | | --- | | **Definition 244** | | |  | | --- | | **Database(page207)** | | |

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| |  | | --- | | **Term 245** | | |  | | --- | | **True or False? System R is a software developed by University of California, Berkley organize and sort date.** | | | |  | | --- | | **Definition 245** | | |  | | --- | | **False(page 209)** | | |

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| |  | | --- | | **Term 246** | | |  | | --- | | **This is used in a database table, using one or more columns used to determine the data’ sort order.** | | | |  | | --- | | **Definition 246** | | |  | | --- | | **Sort key(page 214)** | | |

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| |  | | --- | | **Term 247** | | |  | | --- | | **True or False? Relationships are columns in one table that relate to a primary key in another table.** | | | |  | | --- | | **Definition 247** | | |  | | --- | | **False(page226)** | | |

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| |  | | --- | | **Term 248** | | |  | | --- | | **Computers use a numbering base of 2 called \_\_\_\_\_\_\_\_\_.** | | | |  | | --- | | **Definition 248** | | |  | | --- | | **Binary(page 253)** | | |

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| |  | | --- | | **Term 249** | | |  | | --- | | **True or False? A-F is used in decimal or base 10 to represent numbers past 9.** | | | |  | | --- | | **Definition 249** | | |  | | --- | | **False(page 259)** | | |

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| |  | | --- | | **Term 250** | | |  | | --- | | **Half of a byte is sometimes called a \_\_\_\_\_\_\_\_.** | | | |  | | --- | | **Definition 250** | | |  | | --- | | **Nibble(page 262)** | | |

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| |  | | --- | | **Term 251** | | |  | | --- | | **A display is made up of small dots of colored light called a \_\_\_\_\_\_\_\_\_.** | | | |  | | --- | | **Definition 251** | | |  | | --- | | **Pixel(page 267)** | | |

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| |  | | --- | | **Term 252** | | |  | | --- | | **\_\_\_\_\_\_\_\_ are used to store similar kinds of information in memory.** | | | |  | | --- | | **Definition 252** | | |  | | --- | | **Arrays(page 280)** | | |

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| |  | | --- | | **Term 253** | | |  | | --- | | **True or False? In the Java programing language you create a new array and specify its type and size by using a “new” keyword.** | | | |  | | --- | | **Definition 253** | | |  | | --- | | **True(page 281)** | | |

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| |  | | --- | | **Term 254** | | |  | | --- | | **True or False? The array is a contiguous list data structure.** | | | |  | | --- | | **Definition 254** | | |  | | --- | | **True(page 289)** | | |

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| |  | | --- | | **Term 255** | | |  | | --- | | **A \_\_\_\_\_\_\_\_uses a first in, first out structure.** | | | |  | | --- | | **Definition 255** | | |  | | --- | | **Queue(page 297)** | | |

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| |  | | --- | | **Term 256** | | |  | | --- | | **True or False a Program loop is when a program has the capability of the program to loop back and repeat commands?** | | | |  | | --- | | **Definition 256** | | |  | | --- | | **True (page8)** | | |

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| |  | | --- | | **Term 257** | | |  | | --- | | **Who developed boolean logic?** | | | |  | | --- | | **Definition 257** | | |  | | --- | | **George Boole (page 10)** | | |

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| |  | | --- | | **Term 258** | | |  | | --- | | **True or False a integrated circuit is a collection of transistors on a single piece of hardware** | | | |  | | --- | | **Definition 258** | | |  | | --- | | **True (page16)** | | |

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| |  | | --- | | **Term 259** | | |  | | --- | | **What is a desktop sized computer with a microprocessor cpu designed to be used by one person at a time?** | | | |  | | --- | | **Definition 259** | | |  | | --- | | **Microcomputer (page22)** | | |

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| |  | | --- | | **Term 260** | | |  | | --- | | **What is Cracking into a System as a political act?** | | | |  | | --- | | **Definition 260** | | |  | | --- | | **Hacktivism (page51)** | | |

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| |  | | --- | | **Term 261** | | |  | | --- | | **True or False a trogan program disguises itself as something inocent, or normally harmless** | | | |  | | --- | | **Definition 261** | | |  | | --- | | **True (Page54)** | | |

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| |  | | --- | | **Term 262** | | |  | | --- | | **True or False Authentication is a process of finding a program's authenticity on a computer?** | | | |  | | --- | | **Definition 262** | | |  | | --- | | **False (page58)** | | |

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| |  | | --- | | **Term 263** | | |  | | --- | | **What is an encryption using a private key to both encrypt and decrypt** | | | |  | | --- | | **Definition 263** | | |  | | --- | | **Symmetric encryption (Page68)** | | |

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| |  | | --- | | **Term 264** | | |  | | --- | | **What is a Program that can gather information about a user and stor it on a users machine?** | | | |  | | --- | | **Definition 264** | | |  | | --- | | **Cookie (Page84)** | | |

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| |  | | --- | | **Term 265** | | |  | | --- | | **True or False A boolean operator is a word used in Boolean algebra to test 5 values logically?** | | | |  | | --- | | **Definition 265** | | |  | | --- | | **False (page 104)** | | |

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| |  | | --- | | **Term 266** | | |  | | --- | | **What Gate is a Logical OR folled by a logical NOT?** | | | |  | | --- | | **Definition 266** | | |  | | --- | | **NOR Gate (page109)** | | |

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| |  | | --- | | **Term 267** | | |  | | --- | | **What is the measurement of the granularity of a computer monitor or printer?** | | | |  | | --- | | **Definition 267** | | |  | | --- | | **Resolution (page 124)** | | |

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| |  | | --- | | **Term 268** | | |  | | --- | | **True or False A Bus is a collection of transistors, that transfer data to the CPU?** | | | |  | | --- | | **Definition 268** | | |  | | --- | | **False (Page117)** | | |

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| |  | | --- | | **Term 269** | | |  | | --- | | **True or False A Twisted Pair is a pair of insilated wire that is used as a transmission medium in networking?** | | | |  | | --- | | **Definition 269** | | |  | | --- | | **True(page139)** | | |

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| |  | | --- | | **Term 270** | | |  | | --- | | **True or False Protocol is a set of rules guiding how programers should Program?** | | | |  | | --- | | **Definition 270** | | |  | | --- | | **False (Page144)** | | |

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| |  | | --- | | **Term 271** | | |  | | --- | | **What is a network of computers in a single building in a close proximity?** | | | |  | | --- | | **Definition 271** | | |  | | --- | | **Lan (Page 149)** | | |

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| |  | | --- | | **Term 272** | | |  | | --- | | **What kind of switch can be configured to allow only one specific network trafic through, bassed on destination address?** | | | |  | | --- | | **Definition 272** | | |  | | --- | | **bridge (page153)** | | |

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| |  | | --- | | **Term 273** | | |  | | --- | | **What is Technique for comping many sighnals on a single circuit by dividing available transmission bandwidth by frequency into narrower bands?** | | | |  | | --- | | **Definition 273** | | |  | | --- | | **FDM (Page158)** | | |

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| |  | | --- | | **Term 274** | | |  | | --- | | **True or False TCP is part of the Data Link layer?** | | | |  | | --- | | **Definition 274** | | |  | | --- | | **False (Page174)** | | |

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| |  | | --- | | **Term 275** | | |  | | --- | | **True of False a Router is a divise that determines where packest should be sent?** | | | |  | | --- | | **Definition 275** | | |  | | --- | | **True (Page178)** | | |

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| |  | | --- | | **Term 276** | | |  | | --- | | **What is the addressing mechinism used by client programs to specify a particular server program on a network computer and to facilitate a networkd address translation?** | | | |  | | --- | | **Definition 276** | | |  | | --- | | **Port Number (Page 185)** | | |

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| |  | | --- | | **Term 277** | | |  | | --- | | **What kind of Program searches web pages and reads them gathering infromation for seach engines?** | | | |  | | --- | | **Definition 277** | | |  | | --- | | **Spider ( Page 196)** | | |

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| |  | | --- | | **Term 278** | | |  | | --- | | **True or False DBMS manages programs by organizing them with a specific numbering system?** | | | |  | | --- | | **Definition 278** | | |  | | --- | | **False (Page 209** | | |

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| |  | | --- | | **Term 279** | | |  | | --- | | **True or False Normalixation in database design process that structures tables to eliminate duplication and inconsisties in a data structure?** | | | |  | | --- | | **Definition 279** | | |  | | --- | | **True ( Page 216)** | | |

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| |  | | --- | | **Term 280** | | |  | | --- | | **What is it when one column is dependaent on another column that isnt a primary key?** | | | |  | | --- | | **Definition 280** | | |  | | --- | | **Transitive dependancy (Page 222)** | | |

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| |  | | --- | | **Term 281** | | |  | | --- | | **What Showes the numeric occurences between entities in a er model?** | | | |  | | --- | | **Definition 281** | | |  | | --- | | **Cardinality (Page 228)** | | |

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| |  | | --- | | **Term 282** | | |  | | --- | | **True or False Binary is a 4 Bit System?** | | | |  | | --- | | **Definition 282** | | |  | | --- | | **False (Page 252)** | | |

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| |  | | --- | | **Term 283** | | |  | | --- | | **True or False twos complement is a way to show that numbers are possitive in a numbering system?** | | | |  | | --- | | **Definition 283** | | |  | | --- | | **False (Page 263)** | | |

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| |  | | --- | | **Term 284** | | |  | | --- | | **What is a basic unit of programable color on a Display?** | | | |  | | --- | | **Definition 284** | | |  | | --- | | **Pixel (Page 267)** | | |

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| |  | | --- | | **Term 285** | | |  | | --- | | **What is the audio file format that is used stardadly for computers in game sounds and cd audio?** | | | |  | | --- | | **Definition 285** | | |  | | --- | | **WAV (Page268)** | | |

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| |  | | --- | | **Term 286** | | |  | | --- | | **True or False an Index is how a row accesses each element stored in its data structure?** | | | |  | | --- | | **Definition 286** | | |  | | --- | | **False ( Page 284)** | | |

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| |  | | --- | | **Term 287** | | |  | | --- | | **True or False Null Value is the absence of a value?** | | | |  | | --- | | **Definition 287** | | |  | | --- | | **True (Page 282)** | | |

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| |  | | --- | | **Term 288** | | |  | | --- | | **What pointer keeps track of where to remove or add a item in a data structure?** | | | |  | | --- | | **Definition 288** | | |  | | --- | | **stack pointer (Page 296)** | | |

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| |  | | --- | | **Term 289** | | |  | | --- | | **What is the sorting system that selects the smallest unsorted item then swaps it with the next item acording to Height?** | | | |  | | --- | | **Definition 289** | | |  | | --- | | **Selection Sort (Page 304)** | | |

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| |  | | --- | | **Term 290** | | |  | | --- | | **Babbage's machine used \_\_\_\_ for input.** | | | |  | | --- | | **Definition 290** | | |  | | --- | | **Punch Cards** | | |

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| |  | | --- | | **Term 291** | | |  | | --- | | **The \_\_\_\_ machine was used to encode German military intelligence in World War II.** | | | |  | | --- | | **Definition 291** | | |  | | --- | | **Enigma** | | |

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| |  | | --- | | **Term 292** | | |  | | --- | | **True or false? The first programming language was Pascal.** | | | |  | | --- | | **Definition 292** | | |  | | --- | | **False. Assembly** | | |

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| |  | | --- | | **Term 293** | | |  | | --- | | **The first transistor was the \_\_\_\_ tube.** | | | |  | | --- | | **Definition 293** | | |  | | --- | | **Vacuum** | | |

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| |  | | --- | | **Term 294** | | |  | | --- | | **True or false? Increased length of passwords increase the security of the password.** | | | |  | | --- | | **Definition 294** | | |  | | --- | | **True** | | |

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| |  | | --- | | **Term 295** | | |  | | --- | | **\_\_\_\_ can secure a message so it cannot be read by third parties.** | | | |  | | --- | | **Definition 295** | | |  | | --- | | **Encryption** | | |

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| |  | | --- | | **Term 296** | | |  | | --- | | **SSL uses a digital \_\_\_\_ to secure the connection.** | | | |  | | --- | | **Definition 296** | | |  | | --- | | **Certificate** | | |

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| |  | | --- | | **Term 297** | | |  | | --- | | **A \_\_\_\_ protects a LAN from intruders on the internet.** | | | |  | | --- | | **Definition 297** | | |  | | --- | | **Firewall** | | |

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| |  | | --- | | **Term 298** | | |  | | --- | | **The \_\_\_\_ is the brain of a computer, handling all computations.** | | | |  | | --- | | **Definition 298** | | |  | | --- | | **CPU** | | |

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| |  | | --- | | **Term 299** | | |  | | --- | | **True or False? A Motherboard is a non-essential component to a PC.** | | | |  | | --- | | **Definition 299** | | |  | | --- | | **False** | | |

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| |  | | --- | | **Term 300** | | |  | | --- | | **Transistors have \_\_\_\_ possible states.** | | | |  | | --- | | **Definition 300** | | |  | | --- | | **Two** | | |

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| |  | | --- | | **Term 301** | | |  | | --- | | **The \_\_\_\_ is the display quality of a monitor.** | | | |  | | --- | | **Definition 301** | | |  | | --- | | **Resolution** | | |

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| |  | | --- | | **Term 302** | | |  | | --- | | **A cabled network is an example of a \_\_\_\_ media.** | | | |  | | --- | | **Definition 302** | | |  | | --- | | **Guided** | | |

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| |  | | --- | | **Term 303** | | |  | | --- | | **True or False? Coaxial cabling is faster than Fiber Optic.** | | | |  | | --- | | **Definition 303** | | |  | | --- | | **False** | | |

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| |  | | --- | | **Term 304** | | |  | | --- | | **The OSI reference model of network communications has \_\_\_\_ layers.** | | | |  | | --- | | **Definition 304** | | |  | | --- | | **Seven** | | |

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| |  | | --- | | **Term 305** | | |  | | --- | | **True or False? WAN is an acronym that stands for "Wide Area Network."** | | | |  | | --- | | **Definition 305** | | |  | | --- | | **True** | | |

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| |  | | --- | | **Term 306** | | |  | | --- | | **True or False? IP stands for Internet Placement.** | | | |  | | --- | | **Definition 306** | | |  | | --- | | **False** | | |

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| |  | | --- | | **Term 307** | | |  | | --- | | **The acronym stands for Transmission \_\_\_\_ Protocol.** | | | |  | | --- | | **Definition 307** | | |  | | --- | | **Control** | | |

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| |  | | --- | | **Term 308** | | |  | | --- | | **\_\_\_\_ automatically assigns available IP addresses as opposed to setting it manually.** | | | |  | | --- | | **Definition 308** | | |  | | --- | | **DHCP** | | |

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| |  | | --- | | **Term 309** | | |  | | --- | | **\_\_\_\_ is the programming language that's used to render web pages over a network.** | | | |  | | --- | | **Definition 309** | | |  | | --- | | **HTTP** | | |

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| |  | | --- | | **Term 310** | | |  | | --- | | **A database is comprised of rows and \_\_\_\_.** | | | |  | | --- | | **Definition 310** | | |  | | --- | | **Columns** | | |

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| |  | | --- | | **Term 311** | | |  | | --- | | **An \_\_\_\_ is a database component that allows a database to be searched rapidly instead of searching each and every record of the database.** | | | |  | | --- | | **Definition 311** | | |  | | --- | | **Index** | | |

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| |  | | --- | | **Term 312** | | |  | | --- | | **The \_\_\_\_ key is used to uniquely identify each record in the database.** | | | |  | | --- | | **Definition 312** | | |  | | --- | | **Primary** | | |

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| |  | | --- | | **Term 313** | | |  | | --- | | **SQL stands for Structured \_\_\_\_ Language.** | | | |  | | --- | | **Definition 313** | | |  | | --- | | **Query** | | |

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| |  | | --- | | **Term 314** | | |  | | --- | | **True or False? The hexadecimal numbering system has 16 possible values.** | | | |  | | --- | | **Definition 314** | | |  | | --- | | **True** | | |

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| |  | | --- | | **Term 315** | | |  | | --- | | **A byte is comprised of \_\_\_\_ bits.** | | | |  | | --- | | **Definition 315** | | |  | | --- | | **Eight** | | |

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| |  | | --- | | **Term 316** | | |  | | --- | | **The Decimal numbering system has a base of \_\_\_\_.** | | | |  | | --- | | **Definition 316** | | |  | | --- | | **Ten** | | |

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| |  | | --- | | **Term 317** | | |  | | --- | | **A single byte has \_\_\_\_ possible values.** | | | |  | | --- | | **Definition 317** | | |  | | --- | | **256** | | |

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| |  | | --- | | **Term 318** | | |  | | --- | | **True or False? All information stored in an array must be of the same type.** | | | |  | | --- | | **Definition 318** | | |  | | --- | | **True** | | |

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| |  | | --- | | **Term 319** | | |  | | --- | | **A stack is a form of list is described as "\_\_\_\_ in \_\_\_\_ out."** | | | |  | | --- | | **Definition 319** | | |  | | --- | | **Last, First** | | |

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| |  | | --- | | **Term 320** | | |  | | --- | | **True or False? Linked lists are immutable, meaning they cannot be modified once created.** | | | |  | | --- | | **Definition 320** | | |  | | --- | | **False** | | |

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| |  | | --- | | **Term 321** | | |  | | --- | | **A \_\_\_\_ \_\_\_\_ is a way of organizing data.** | | | |  | | --- | | **Definition 321** | | |  | | --- | | **Data Structure** | | |

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| |  | | --- | | **Term 322** | | |  | | --- | | **Chp1- What kind of algebra's true/false conditions do electric switches emulate?** | | | |  | | --- | | **Definition 322** | | |  | | --- | | **Boolean algebra (page 10)** | | |

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| |  | | --- | | **Term 323** | | |  | | --- | | **Chp1- True or False? Intel was not involved in making the first central processing unit?** | | | |  | | --- | | **Definition 323** | | |  | | --- | | **False (page 19)** | | |

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| |  | | --- | | **Term 324** | | |  | | --- | | **Chp1- True or False? Open architecture means that a machine is open to modification?** | | | |  | | --- | | **Definition 324** | | |  | | --- | | **True (page 21)** | | |

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| |  | | --- | | **Term 325** | | |  | | --- | | **Chp1- What is the use of multiple computers to process a single task simultaneously?** | | | |  | | --- | | **Definition 325** | | |  | | --- | | **Parallel Computing (page 27)** | | |

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| |  | | --- | | **Term 326** | | |  | | --- | | **Chp2- What types of malicious code are there?** | | | |  | | --- | | **Definition 326** | | |  | | --- | | **Viruses, worms, bots, and trojans. (page 53-54)** | | |

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| |  | | --- | | **Term 327** | | |  | | --- | | **Chp2- How many types of attacks are there?** | | | |  | | --- | | **Definition 327** | | |  | | --- | | **Four. (page 55)** | | |

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| |  | | --- | | **Term 328** | | |  | | --- | | **Chp2- What does an antivirus program use to stop viruses?** | | | |  | | --- | | **Definition 328** | | |  | | --- | | **Virus definitions and heuristics. (page 64-65)** | | |

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| |  | | --- | | **Term 329** | | |  | | --- | | **Chp2- True or False? There are two types of encryption.** | | | |  | | --- | | **Definition 329** | | |  | | --- | | **True (page 68)** | | |

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| |  | | --- | | **Term 330** | | |  | | --- | | **Chp3- What is a gate?** | | | |  | | --- | | **Definition 330** | | |  | | --- | | **A transistor that uses Boolean logic to output a value based on a given number of input values. (page 107)** | | |

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| |  | | --- | | **Term 331** | | |  | | --- | | **Chp3- True or False? A NOT gate outputs a value that is the same as the input value.** | | | |  | | --- | | **Definition 331** | | |  | | --- | | **False (page 108)** | | |

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| |  | | --- | | **Term 332** | | |  | | --- | | **Chp3- What is Read Only Memory used for?** | | | |  | | --- | | **Definition 332** | | |  | | --- | | **To store the BIOS. (page 119)** | | |

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| |  | | --- | | **Term 333** | | |  | | --- | | **Chp3- What does monitor refresh rate signify?** | | | |  | | --- | | **Definition 333** | | |  | | --- | | **How many times the image on screen is updated per second. (page 124)** | | |

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| |  | | --- | | **Term 334** | | |  | | --- | | **Chp4- There are two types of transmission media. What are they?** | | | |  | | --- | | **Definition 334** | | |  | | --- | | **Guided and unguided. (page 139)** | | |

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| |  | | --- | | **Term 335** | | |  | | --- | | **Chp4- True or False? UTP is a type of unguided transmission media.** | | | |  | | --- | | **Definition 335** | | |  | | --- | | **False (page 139)** | | |

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| |  | | --- | | **Term 336** | | |  | | --- | | **Chp4- What is the fastest transmission speed that Bluetooth can do?** | | | |  | | --- | | **Definition 336** | | |  | | --- | | **One Mbps. (page 142)** | | |

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| |  | | --- | | **Term 337** | | |  | | --- | | **Chp4- What is a firewall?** | | | |  | | --- | | **Definition 337** | | |  | | --- | | **A network device that filters incoming and outgoing network traffic. (page 154)** | | |

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| |  | | --- | | **Term 338** | | |  | | --- | | **Chp5- What is the difference between IPv4 and IPv6?** | | | |  | | --- | | **Definition 338** | | |  | | --- | | **IPv4 uses 32-bit addresses; IPv6 uses 128-bit addresses. (page 175)** | | |

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| |  | | --- | | **Term 339** | | |  | | --- | | **Chp5- What is a router?** | | | |  | | --- | | **Definition 339** | | |  | | --- | | **A device or program that determines the next network point a packet should go to. (page 178)** | | |

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| |  | | --- | | **Term 340** | | |  | | --- | | **Chp5- How many layers does the OSI Model have?** | | | |  | | --- | | **Definition 340** | | |  | | --- | | **Seven. (page 180)** | | |

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| |  | | --- | | **Term 341** | | |  | | --- | | **Chp5- What is a domain name?** | | | |  | | --- | | **Definition 341** | | |  | | --- | | **A name used to locate the IP address of an entity on the internet. (page 183)** | | |

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| |  | | --- | | **Term 342** | | |  | | --- | | **Chp6- True or False? SQL is the language used by DBMS's.** | | | |  | | --- | | **Definition 342** | | |  | | --- | | **True. (page 209)** | | |

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| |  | | --- | | **Term 343** | | |  | | --- | | **Chp6- How many normal forms are there for a database table?** | | | |  | | --- | | **Definition 343** | | |  | | --- | | **Three. (page 222)** | | |

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| |  | | --- | | **Term 344** | | |  | | --- | | **Chp6- What is the most common type of relationship in a database table?** | | | |  | | --- | | **Definition 344** | | |  | | --- | | **A one to many relationship. (page 227)** | | |

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| |  | | --- | | **Term 345** | | |  | | --- | | **Chp6- What does the ORDER BY clause allow for?** | | | |  | | --- | | **Definition 345** | | |  | | --- | | **To change how the data is returned from the SELECT statement. (page 238)** | | |

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| |  | | --- | | **Term 346** | | |  | | --- | | **Chp7- What are the three main numbering systems used in computing?** | | | |  | | --- | | **Definition 346** | | |  | | --- | | **Binary, decimal, and hexadecimal. (page 253)** | | |

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| |  | | --- | | **Term 347** | | |  | | --- | | **Chp7- What represents the numbers ten through fifteen in hexadecimal?** | | | |  | | --- | | **Definition 347** | | |  | | --- | | **The letters A through F. (page 258)** | | |

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| |  | | --- | | **Term 348** | | |  | | --- | | **Chp7- What is a nibble?** | | | |  | | --- | | **Definition 348** | | |  | | --- | | **Four bits, or half a byte. (page 262)** | | |

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| |  | | --- | | **Term 349** | | |  | | --- | | **Chp7- What is another name for a decimal number in computing?** | | | |  | | --- | | **Definition 349** | | |  | | --- | | **A floating-point number. (page 265)** | | |

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| |  | | --- | | **Term 350** | | |  | | --- | | **Chp8- What is an array?** | | | |  | | --- | | **Definition 350** | | |  | | --- | | **A set of contiguous memory cells used for storing the same type of data. (page 280)** | | |

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| |  | | --- | | **Term 351** | | |  | | --- | | **Chp8- What is an element?** | | | |  | | --- | | **Definition 351** | | |  | | --- | | **A memory cell in an array. (page 282)** | | |

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| |  | | --- | | **Term 352** | | |  | | --- | | **Chp8- True or False? An index is the thing used by the array in order to access the elements within it.** | | | |  | | --- | | **Definition 352** | | |  | | --- | | **True. (page 284)** | | |

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| |  | | --- | | **Term 353** | | |  | | --- | | **Chp8- What is the purpose of a pointer?** | | | |  | | --- | | **Definition 353** | | |  | | --- | | **To give an address to a memory cell in an array. (page 291)** | | |

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| |  | | --- | | **Term 354** | | |  | | --- | | **What is Time-Sharing?(pg 17)** | | | |  | | --- | | **Definition 354** | | |  | | --- | | **A computers capacity to share its computing time with many users at the same time.** | | |

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| |  | | --- | | **Term 355** | | |  | | --- | | **What was the most celebrated use of the UNIVAC?(pg 14)** | | | |  | | --- | | **Definition 355** | | |  | | --- | | **Calculating the outcome of the 1952 presidential election.** | | |

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| |  | | --- | | **Term 356** | | |  | | --- | | **True or False? The Apple I was orignally priced at $666.(pg 23)** | | | |  | | --- | | **Definition 356** | | |  | | --- | | **True** | | |

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| |  | | --- | | **Term 357** | | |  | | --- | | **True or False? Windows had the first mass-produced GUI.(pg 25)** | | | |  | | --- | | **Definition 357** | | |  | | --- | | **False** | | |

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| |  | | --- | | **Term 358** | | |  | | --- | | **What are shortcuts into programs created by system designers to facilitate system maintenance?(pg 52)** | | | |  | | --- | | **Definition 358** | | |  | | --- | | **Backdoors** | | |

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| |  | | --- | | **Term 359** | | |  | | --- | | **True or False? Honeypots are traps laid by a System admin to catch and track intruders.(pg 64)** | | | |  | | --- | | **Definition 359** | | |  | | --- | | **True** | | |

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| |  | | --- | | **Term 360** | | |  | | --- | | **What is a Digital Certificate?(pg 66)** | | | |  | | --- | | **Definition 360** | | |  | | --- | | **A digital certificate is the equivalent of an ID card; used with encryption and issued by a third-party certification authority** | | |

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| |  | | --- | | **Term 361** | | |  | | --- | | **True or False? Symmetric Encryption is software that sits between an external network and an internal computer system; monitors requests for entry to the internal system and allows entry only to designated entrants.(pg 69)** | | | |  | | --- | | **Definition 361** | | |  | | --- | | **False** | | |

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| |  | | --- | | **Term 362** | | |  | | --- | | **What is the ALU responsible for?(pg 116)** | | | |  | | --- | | **Definition 362** | | |  | | --- | | **Mathematical operations, specifically addition.** | | |

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| |  | | --- | | **Term 363** | | |  | | --- | | **What does the "D" in DRAM stand for?(pg 120)** | | | |  | | --- | | **Definition 363** | | |  | | --- | | **Dynamic** | | |

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| |  | | --- | | **Term 364** | | |  | | --- | | **True or False? The quality of printer output is measured in dpi.(pg 125)** | | | |  | | --- | | **Definition 364** | | |  | | --- | | **True** | | |

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| |  | | --- | | **Term 365** | | |  | | --- | | **True or False? LCD stands for Light Crystal Display.(pg 124)** | | | |  | | --- | | **Definition 365** | | |  | | --- | | **false** | | |

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| |  | | --- | | **Term 366** | | |  | | --- | | **What is the third layer in the ISO OSI reference model?(pg 147)** | | | |  | | --- | | **Definition 366** | | |  | | --- | | **Network Layer** | | |

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| |  | | --- | | **Term 367** | | |  | | --- | | **True or False? Inductance applies to all transmission media.(pg 141)** | | | |  | | --- | | **Definition 367** | | |  | | --- | | **False** | | |

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| |  | | --- | | **Term 368** | | |  | | --- | | **True or False? DSL stands for Direct Service Line.(pg 158)** | | | |  | | --- | | **Definition 368** | | |  | | --- | | **False** | | |

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| |  | | --- | | **Term 369** | | |  | | --- | | **What must every physical device connect to a network have?(pg 153)** | | | |  | | --- | | **Definition 369** | | |  | | --- | | **A Network Interface Card(NIC)** | | |

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| |  | | --- | | **Term 370** | | |  | | --- | | **Who is in charge of allocating IP addresses to ISPs?(pg 177)** | | | |  | | --- | | **Definition 370** | | |  | | --- | | **The IANA(Internet Assigned Numbers Authority)** | | |

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| |  | | --- | | **Term 371** | | |  | | --- | | **What is the ip address 127.0.0.1 reserved for?(pg 176)** | | | |  | | --- | | **Definition 371** | | |  | | --- | | **A loopback Address(the local computer)** | | |

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| |  | | --- | | **Term 372** | | |  | | --- | | **What was created so that packets don't keep bouncing from router to router forever?(pg 179)** | | | |  | | --- | | **Definition 372** | | |  | | --- | | **The time to live(TTL) field.** | | |

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| |  | | --- | | **Term 373** | | |  | | --- | | **True or False? SMTP stands for Simple Mail Transfer Protocol?(pg 181)** | | | |  | | --- | | **Definition 373** | | |  | | --- | | **True** | | |

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| |  | | --- | | **Term 374** | | |  | | --- | | **What is SQL used for?(pg 209)** | | | |  | | --- | | **Definition 374** | | |  | | --- | | **It is used to maintain database structure and to modify,query and extract information.** | | |

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| |  | | --- | | **Term 375** | | |  | | --- | | **What is a foreign key? (FK)(pg 226)** | | | |  | | --- | | **Definition 375** | | |  | | --- | | **A column in one table that relates to a primary key in another table.** | | |

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| |  | | --- | | **Term 376** | | |  | | --- | | **What is a database?(pg 207)** | | | |  | | --- | | **Definition 376** | | |  | | --- | | **Data that has been logically related and organized into a file or set of files to allow access and use.** | | |

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| |  | | --- | | **Term 377** | | |  | | --- | | **True or False? The primary advantage of using an index is being able to find data in a table without scanning the entire table.(pg 213)** | | | |  | | --- | | **Definition 377** | | |  | | --- | | **True** | | |

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| |  | | --- | | **Term 378** | | |  | | --- | | **How many unique characters could the original ASCII specification have?(pg 266)** | | | |  | | --- | | **Definition 378** | | |  | | --- | | **128** | | |

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| |  | | --- | | **Term 379** | | |  | | --- | | **True or False? Twos Complement is a method of representing negetive numbers in a binary number system.(pg 263)** | | | |  | | --- | | **Definition 379** | | |  | | --- | | **True** | | |

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| |  | | --- | | **Term 380** | | |  | | --- | | **True or False? Binary has two digits.(pg 253)** | | | |  | | --- | | **Definition 380** | | |  | | --- | | **True** | | |

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| |  | | --- | | **Term 381** | | |  | | --- | | **How many bits is a nibble?(pg 262)** | | | |  | | --- | | **Definition 381** | | |  | | --- | | **4 bits** | | |

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| |  | | --- | | **Term 382** | | |  | | --- | | **What is offset used for?(pg 283)** | | | |  | | --- | | **Definition 382** | | |  | | --- | | **It is used to specify the distance between memory locations.** | | |

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| |  | | --- | | **Term 383** | | |  | | --- | | **True or False? A stack is considered a first in first out data structure.(pg 295)** | | | |  | | --- | | **Definition 383** | | |  | | --- | | **False** | | |

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| |  | | --- | | **Term 384** | | |  | | --- | | **True or False? An array can have no more than 2 dimensions.(pg 288)** | | | |  | | --- | | **Definition 384** | | |  | | --- | | **False** | | |

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| |  | | --- | | **Term 385** | | |  | | --- | | **What are some disadvantages of an array data structure?(pg 289)** | | | |  | | --- | | **Definition 385** | | |  | | --- | | **A lot of computer power can be expended in trying to insert new elements into a defined array structure. and data in memory cells can be accessed only sequentially.** | | |