Corey Gumbs

Networks and Server Structures

WDD345-0/C201508

**Intro to Binary Assignment:**

***Base-10/Dec to Base-2/Binary***

63 = 00111111

99 = 01100011

72 = 01001000

15 = 00001111

18 = 00010010

56 = 00111000

81 = 01010001

182 = 10110110

46 = 00101110

27 = 00011011

169 = 10101001

200 = 11001000

***Binary/Base-2 to Base 10/Dec***

10101010 = 170

11101101 = 237

01000001 = 65

00100111 = 39

01001101 = 77

00110111 = 87

00001101 = 13

01011110 = 94

10010011 = 147

11100010 = 225

01010101 = 85

11110000 = 240

10110001 = 177

11111111 = 255

***Binary/Base-10 to Hexadecimal/Base-16***

0x12EF = 0001 0010 1101 1111

0x342 = 0011 0100 0010

0xE59 = 1110 0101 1001

0x2F = 0010 1111

0x20A = 0010 0000 1010

0xFF = 1111 1111

0x200 = 0010 0000 0000

0xF0 = 1111 0000

0x400 = 0100 0000 0000

0x142 = 0001 0100 0010

0x29A = 0010 1001 1010

0x1E = 0001 1110