14. Convert 1011_2 to hexadecimal

B_{16}

$1011_2 = 8+2+1 = 11 = B_{16}$

15. Convert 11010101_2 to hexadecimal

$D5_{16}$

~~$11010101_2 = 1+4+16+64+128 = 213$~~

$1101 = 13$
$0101 = 5$ $= D5_{16}$

16. Convert 11011011_2 to hexadecimal

DB_{16}

$1101 = 13$
$1011 = 11$ $= DB_{16}$

17. Convert $3D_{16}$ to binary

00111101_2

$3 = 0011$
$D/13 = 1101$ $= 00111101$

18. Convert $1A_{16}$ to binary

00011010_2

$1 = 0001$
$A/10 = 1010$ $= 00011010$

19. Code the following word in hexadecimal then to binary. Be sure to watch video before completing this conversion

E	G	G
45	47	47

← HEXADECIMAL

45 = 0100/0101
47 = 0100/0111

BINARY → 01000101 01000111 01000111