ASSIGNMENT on Data. For practice.

1. Convert the following binary numbers to a decimal value:

int i='1', j=520, k=65536, l=-2, m=-50;

memory.

a) $(011011)_2 = ()_{10}$ b) $(101001)_2 = ()_{10}$	
2. Convert the following decimal numbers to binary:	
a) $(257)_{10} = ()_2$ b) $(2048)_{10} = ()_2$ c) $(87)_{10} = ?$ d) $(-1)_{10} = ?$ e) $(-45)_{10} = ()_2$	
3. What will be the equivalent in hexadecimal for the given binary data:	
a) 11101101101 b) 0100010010111	
4. Convert the following hexadecimal numbers to a binary number:	
a). 0XABCD b). 0X0F1	
5. Convert the following octal num to a binary number :	
a) 0111 b) 0777 c)074	
6. Convert the following binary number to a octal num:	
a) 100111010 b) 010000001	
7. Convert the following hexadecimal number to a octal number :	
a) 0X1BC b)0XFFFF	
8. if the variable is declared as given below, then what will be the exact binary presentation in memory when the program is being executed?	y,
char ch1='6', ch2='a', ch3='*', ch4=' ',ch5=98;	
char v1=127,v2=128;	
unsigned char u1=127,u2=128,u3=255,u4=256;	
9. if the following integer variables are declared, then what will be exact picture of memory occupied	i .
short int s1=50, s2=-5, s3=32767,s4=32768;	
a) 0XFF01 b) 0X100FF	
10. If the integer variables are declared as given below, then predict the binary presentation in	