1) Write macro using conditional operator for finding maximum number (a:b ?a:b.).

2) Write a program to right shift a variable (0x45Fe6A92) by two times and print it.

3) Write a program to left shift a variable (0xA) by one, two, three, four times and print and analyze.

4) Write a program to right shift a variable (0xA00) by one, two, three, four times and print and analyze.

5) Check the for loop behavior.

For(i=0;i<2;i++)

For(i=0;i<2;++i)

For(i=0;i<2;i+1)

6) Check while loop behavior by using condition value like while(1), while(2).

7) Take two numbers and perform the bit wise AND operation.

8) Take two numbers and perform the bit wise OR operation.

9) Take a number in variable and perform compliment operation.

10) g = a / 2 + a \* 4 / a - a + i/ 3 ; (i = 2.5, a = 2).

11) o= i \* a / 2 + 3 / 2 \* a + 2 + t ; (i = 4, a = 1, t = 3).

12) a=2,b=7,c=10; By using given value find the value of c in the given equation c=a==b.

13) s = q \* a / 4 - 6 / 2 + 2 / 3 \* 6 / g; (q = 4, a= 2, g = 2).

14) What is the final value of a a=015 + 0x71 +5 .

15) s = 1 / 3 \* a / 4 - 6 / 2 + 2 / 3 \* 6 / g ; (a = 4, g = 3).

16) i=5, j=++i+++i+++i What is the output of j?.

17) By using bitwise operator ((~7 & 0x000f) ==8), Explain the operation of this equation?

18) Find the value of Z, z = y && (y |= 10); assume the Y value is 0.?

19) a=a++ + ~++a; a=2?

20) Using bitwise operator find given number is even or odd.

21) Take the signed char and copy into int. print char and int and analyze the output.

22) Take unsigned char and copy into int and print char and int, analyze the output.

23) Initialize int with -5 and copy into char print both int and char, analyze the output.

24) Initialize int with -458 and copy value into unsigned char, print, analyze output.

25) Implements following in one program with menu shown. Run the program until user ask to exit.

1. Int get\_nbits(int num, int n)

2. Int replace\_nbits (int num, int n, int val)

3. Get\_nbits\_from\_pos (int num, int n, int pos, int val)

4. Int toggle\_bits\_from\_pos (int num, int n, int pos)

5. Int print\_bits ( unsigned int num, int n)