1) Read two integer values and perform bitwise operations (&, |, ~, ^, >>, <<).

```
#include <stdio.h>
int main() {
  int a, b;
  // Read two integer values.
  printf ("enter first number :");
  Scanf ("%d", &a);
  printf ("enter second number :");
  Scanf ("%d", &b);
   // Bitwise operations
  printf ("\n... Bitwise Operations Results ...\n");
  printf ("a&b = %d\n", a &b);
  printf ("a|b = %d\n", a|b);
  printf ("a^b = %d\n", a^b);
  printf ("~a = %d\n", ~a);
  printf ("~b = %d\n", ~b);
  printf ("a>>1 = %d\n", a>>1);
  printf ("a<<1 = %d\n", a<<1);
  return 0;
}
```

Input:

Enter two integer values : 5 3

Output:

Bitwise AND (a&b) = 1
Bitwise OR (a|b) = 7
Bitwise XOR (a^b) = 6
Bitwise (NOT) (~a) = -6
Bitwise (NOT) (~b) = -4
Bitwise Right shit (a>>1) = 2
Left shit (a<<1) = 10

2) MCQs on increment / decrement, left shit / right shit.

1) Increment operator

```
#include <stdio.h>
int main() {
    int a = 5;
    a++;
    printf("%d", a);
    return 0;
}
```

A) 4 B) 5 C) 6 D) 7

Ans:- C) 6

2) Decrement operator

```
#include <stdio.h>
int main() {
    int a = 5;
    a--;
    printf("%d", a);
    return 0;
}
```

A) 6 B) 5 C) 4 D) 3

Ans: C) 4

3) Left shit operator

```
#include <stdio.h>
int main() {
    int a = 5;
    int b = a<<1;
    printf("%d", b);
    return 0;
}
```

A) 5 B) 8 C) 10 D) 20

Ans: C) 10

Righ shit operator

```
#include <stdio.h>
int main() {
    int a = 8
    int b = a >> 1;
    printf ("%d", b);
    return 0;
}
```

A) 2 B) 3 C) 4 D) 8

Ans: C) 4