```
1.int main()
        char a = 255;
        char b = 127;
       b = \sim b;

a = a ^ b;
        printf("\n%d,%d",a,b);
        return 0;
Bitwise complement(\sim) of 127 is -128 ( o/p of b is -128)
 255 ^ -128
 Binary equivalent of 255-> 1111 1111
 Binary equivalent of 128-> 1000 0000
 As the number 128 is negative we perform the 2's complement on 128 to gets its
binary equivalent
         0111 1111 --->( 1's compliment of 128 )
         1000 0000
                  -- > ( 2's compliment of 128 i.e -128 binary )
Know we perform ex-or operations of 255 and -128
         1111 1111
                    ----> Binary Equivalent of 255
         1000 0000
                    ----> Binary Equivalent of -128
       ----->
      // 0111 1111 ---> 127
        so 0/P is 127
2.int main()
        int x = -1;
        printf("%u,%x,%d",x>>1,x<<4,(unsigned)x>>1);
}
As x is negative number to find its equivalent binary we perform two's compliment
on it.
        0000 0000 0000 0000 0000 0000 0000 0001 ( Binary equivalent of 1 )
        1111 1111 1111 1111 1111 1111 1110 ( 1's compliment )
        1111 1111 1111 1111 1111 1111 1111 ( 2's compliment )
        Know we perform shift operations
               1111 1111 1111 1111 1111 1111 1111 1111
```

> x<<4 1111 1111 1111 1111 1111 1111 1111 0000 o/p - (%x) Hexadecimal equivalent of above is ffffffff0