



SUBJECT	Programming in C
Chapter / Topic Name	Operators in C
Worksheet Name	Worksheet-2

Instruction: Predict the output of the following questions.

1.

```
main()
{
    int i = 3;
    int j = i / -2;
    int k = i % -2;
    printf("%d %d", j, k);
}
```
2.

```
main()
{
    int i = -3;
    int k = i%2;
    printf("%d", k);
}
```
3.

```
main()
{
    int i=5,j;
    j=i++;
    printf("%d %d \n",i,j);
    j=++i;
    printf("%d %d",i,j);
}
```
4.

```
main()
{
    int a=5,b=-1,c;
    c=++b && a++;
    printf("%d %d %d",a,b,c);
}
```
5.

```
main()
{
```

```
int x;
x= (printf("CP")||printf("CAAS"));
printf("%d\n",x);
x= (printf("CP")&&printf("CAAS"));
printf("%d",x);
}
```

6. main()

```
{
int a=-3, b=2, c=0, d;
d = ++a || ++b && ++c;
printf("%d, %d, %d, %d\n", a, b, c, d);
}
```

7. main()

```
{
int a=5,b=6,c;
c=++a>=b==1;
printf("%d %d %d",a,b,c);
}
```

8. main()

```
{
int a=5,b=6,c;
c=++a!=b==1;
printf("%d %d %d",a,b,c);
}
```

9. main()

```
{
int a=5,b=6,c;
c=++a==b!=1;
printf("%d %d %d",a,b,c);
}
```

10. main()

```
{
int a=15,b=11,x,y,z;
x=a&b;
y=a|b;
z=a^b;
printf("%d %d %d",x,y,z);
}
```



```
    }  
11.main()  
    {  
    int a=15,b=3,c,d;  
    c=a<<b;  
    d=a>>b;  
    printf("%d %d",c,d);  
    }  
12.main()  
    {  
    int a=0,b=2,c;  
    c=~a+~b;  
    printf("%d",c);  
    }  
13.main()  
    {  
    int x=1, y ;  
    y = ( x ==1 ? 2 : 0 ) ;  
    printf("x value is %d\n", x);  
    printf("y value is %d", y);  
    }  
14.main()  
    {  
    int x;  
    x = 5 > 8 ? 10 : 1 != 2 < 5 ? 20 : 30;  
    printf("Value of x:%d", x);  
    }  
15.main()  
    {  
    char ch='a';  
    printf("%d%d%d", sizeof(ch), sizeof('a'), sizeof(12.75));  
    }  
16.main()  
    {  
    int a = sizeof(printf("kiitians"));  
    printf("%d", a);  
    }
```

```
17.main()
{
int x, a = 0;
x = sizeof(a++) ? printf("C Programming\n") : 0;
printf(" x:%d\n", x);
printf(" a:%d", a);
}
```

```
18.main()
{
printf("%d", 1 << 2 + 3 << 4);
}
```

```
19.main()
{
int a = 1; int b = 1;
int c = a || --b;
int d = a-- && --b;
printf("%d,%d,%d,%d", a, b, c, d);
}
```

Happy Learning!!!