

Example for Arithmetic Operators

```
#include<stdio.h>  
  
int main()  
  
{  
  
int a,b,c,d,e,f,g;  
  
printf("\n Enter a and b values");  
  
scanf("%d%d",&a,&b);  
  
c = a + b;  
  
printf("\n The sum is %d ", c);  
  
d = a - b;  
  
printf("\n The difference is %d", d);  
  
e = a * b;  
  
printf("\n The product is %d", e);  
  
f = a/b;  
  
printf("\n The division is %d", f);  
  
g = a%b;  
  
printf("\n The remainder is %d", g)  
  
return 0  
  
}
```

Example for Relational Operators

```
#include<stdio.h>

int main()
{
    int a,b,c,d,e,f,g;
    printf("\n Enter a-value:");
    scanf("%d", &a);
    printf("\n Enter b-value:");
    scanf("%d",&b);
    c = a<b;
    d = a <= b;
    e = a > b;
    f = a >= b;
    g = a==b;
    h = a != b;
    printf("\n c=%d, d=%d, e=%d, f=%d, g=%d,
    h=%d", c,d,e,f,g,h);
    return 0;
}
```

Example for Logical Operators

```
#include <stdio.h>

int main()
{
    int a,b,c,d,e;

    printf("\n Enter a and b-value:");
    scanf("%d%d",&a,&b);

    printf("\n Enter c and d-value:");
    scanf("%d%d",&c,&d);

    e = (a>b)&&(c>d);

    printf("\n The e-value is %d",e);

    f = (a>b) || (c>d)

    printf("\n the f-value is %d", f);

    return 0;
}
```

Example on Bitwise Operators

```
int main()  
{  
int a = 10, b= 12, c, d, e, f, i=2, k=8;  
c = a & b;  
d = a | b;  
e = i << 2;  
f = k >> 2;  
printf("\n c=%d, d=%d, e=%d, f=%d", c,d,e,f);  
return 0;  
}
```

Example on increments or decrements operator:

```
int main()
{
int i = 10, j=25;
i++;
printf("\n i value is =%d", i);
j--;
printf("\n j value is = %d",j);
return 0;
}
```

Example on shorthand operators:

```
int main()
{
int i=10,j=20, a=10, b=20;
i += j;
printf("\n i value is %d", i);
a -=b;
printf("\n a value is %d",a)
return 0;
}
```

Example on conditional operator:

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int i=20,j=25,k=100, m=200,x;
```

```
    x = (i>j)? (k++) : (m--);
```

```
    printf("\n the value is: %d", x);
```

```
    return 0;
```

```
}
```