**Practical No.02**

**Aim: Programs based on various operators**

**1. Programs on Operators and Expressions**

**Program:**

#include<stdio.h>

#include<conio.h>

void main()

{

int a,b,c,d,e,h,n,p,q,r,s,t;

int z=100,y;

float f;

clrscr();

//Example of Arithmetic and Assignment Operators

a=10,b=5,c=7,d=8,e=3,h=5;

a+=10;

b-=2;

c\*=3;

d/=2;

f=(a+b)/2;

printf("The value of f is:%f",f);

//Example of Relational and Logical Operators

if(a<=b && c<d)

{

printf("\n Both conditions are true");

}

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

{

printf("\n May be one Condition is true");

}

if((a==b) && !(c<d))

{

printf(" \n May be true");

}

//Examples of Bitwise Operators

n=(e&h);

p=(e|h);

q=(e^h);

r=(~e);

s=e>>1;

t=h<<1;

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

printf("\n The value of p is %d",p);

printf("\n The value of q is %d",q);

printf("\n The value of r is %d",r);

printf("\n The value of s is %d",s);

printf("\n The value of t is %d",t);

//Example of Conditional Operator

y=(z>120?4:5);

printf("\n The value of y is %d",y);

//Example of increment & Decrement operator

y=y++;

printf("\n The value of y is %d",y);

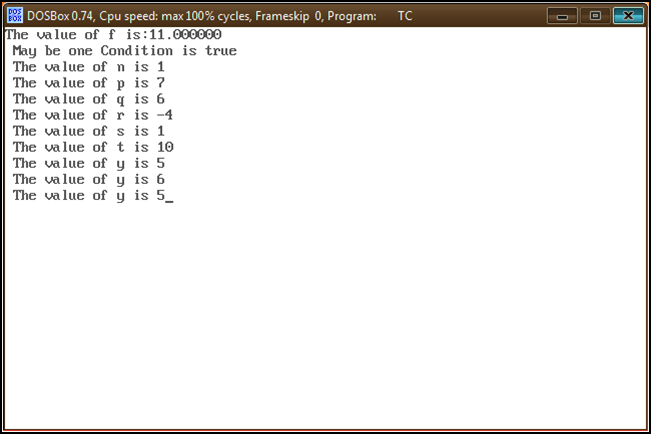
y=y--;

printf("\n The value of y is %d",y);

getch();

}

**Output:**

****