PROGRAM 1

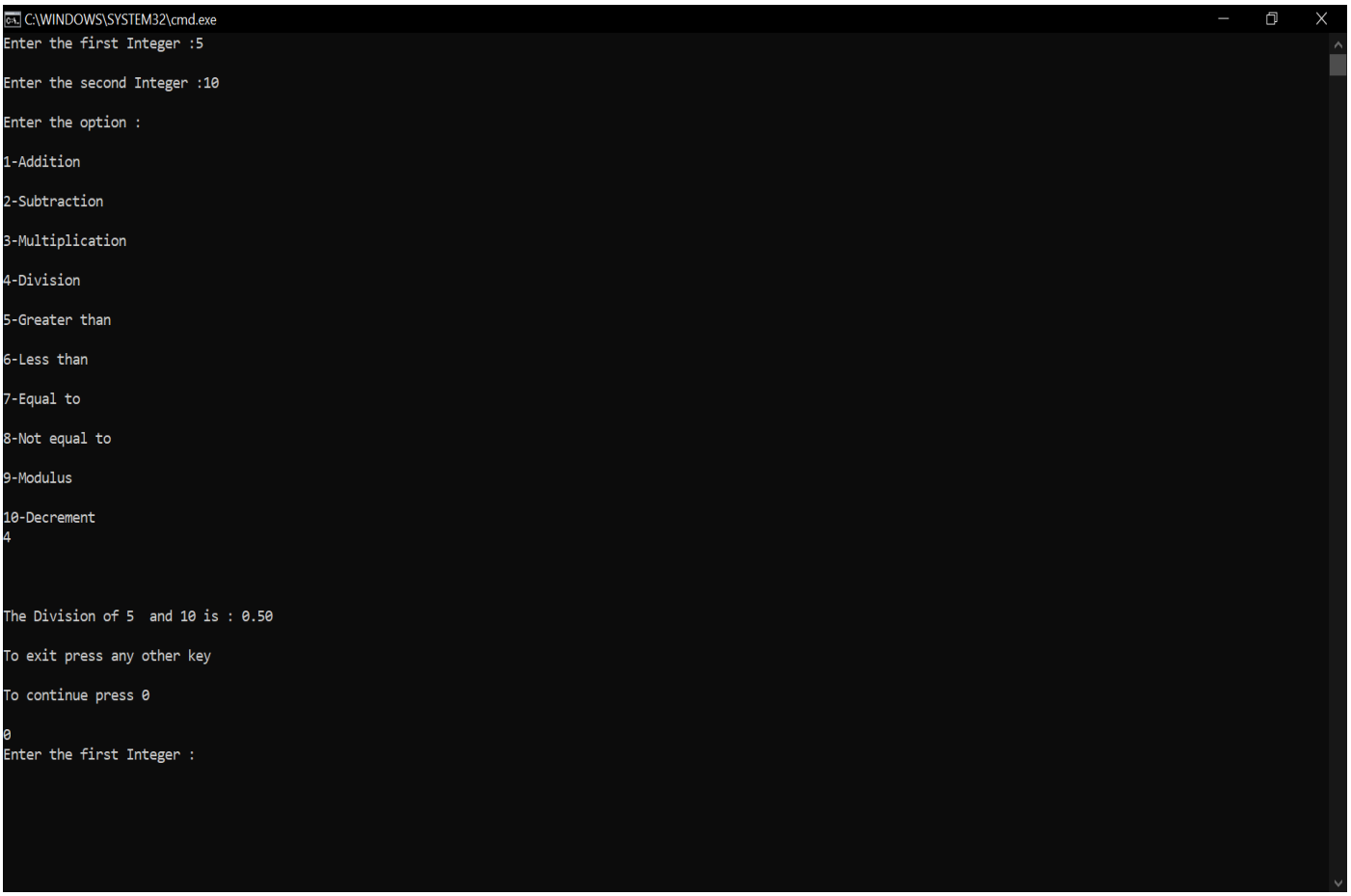
```
#include <stdio.h>
int main()
{
	int num1,num2,optn,x;
	while(1)
	{


		printf("Enter the first Integer :");
		scanf("%d",&num1);
		printf("\nEnter the second Integer :");
		scanf("%d",&num2);

		printf("\nEnter the option :\n");
		printf("\n1-Addition\n");
		printf("\n2-Subtraction\n");
		printf("\n3-Multiplication\n");
		printf("\n4-Division\n");
		printf("\n5-Greater than\n");
		printf("\n6-Less than\n");
		printf("\n7-Equal to\n");
		printf("\n8-Not equal to\n");
		printf("\n9-Modulus\n");
		printf("\n10-Decrement\n");
		scanf("%d",&optn);

		double div=((double)num1)/num2;
```

```
printf("\n\n");

switch(optn)
{
    case 1:
        printf("The Addition of %d and %d is: %d\n",num1,num2,num1+num2);
        break;

    case 2:
        printf("\nThe Substraction of %d and %d is: %d\n",num1,num2,num1-
num2);
        break;

    case 3:
        printf("\nThe Multiplication of %d  and %d is:
%d\n",num1,num2,num1*num2);
        break;

    case 4:

        printf("\nThe Division of %d  and %d is : %.2f \n",num1,num2,div);
        break;

    case 5:

        if(num1>num2)
        printf("\nThe number %d is greater than the number
%d\n",num1,num2);

        else
```

```
                {
                        printf("\nThe number %d is greater than %d\n",num2,num1);
                }
                break;

        case 6:

                if(num1<num2)
                printf("\nThe number %d is less than teh number %d\n",num1,num2);

                else
                {
                        printf("\nThe number %d is less than the number
%d",num2,num1);
                }
                break;

        case 7:

                if(num1==num2)
                printf("\nBoth the numbers are equal\n");

                else
                {
                        printf("\nThe numbers are not equal\n");
                }
                break;

        case 8:
```

```
                if(num1!=num2)
                printf("\nBoth the numbers are not equal\n");

                else
                {
                        printf("\nThe numbers are equal\n");
                }
                break;

        case 9:
                printf("\n%d mod %d = %d\n",num1,num2,num1%num2);
                break;

        case 10:
                printf("\n%d-- = %d",num1,num1-1);
                printf("\n%d-- = %d",num2,num2-1);
                break;

        default:
                printf("Input correct option\n");

}

printf("\nTo exit press any other key");
printf("\n\nTo continue press 0\n\n");
scanf("%d", &x);

if(x!=0)
```

```
                {
                        break;
                }

        }

}
```


C:\WINDOWS\SYSTEM32\cmd.exe
Enter the first Integer :5
Enter the second Integer :10
Enter the option :
1-Addition
2-Subtraction
3-Multiplication
4-Division
5-Greater than
6-Less than
7-Equal to
8-Not equal to
9-Modulus
10-Decrement
4
The Division of 5 and 10 is : 0.50
To exit press any other key
To continue press 0
0
Enter the first Integer :

PROGRAM 2

```
#include<stdio.h>
float sumaver(int x,int y)
{
    int sum;
    sum = x +y;
    printf("\nSum of %d and %d = %d\n",x,y,sum);
    return (float)sum/2;
}



void printeven(int x,int y)
{
    int i;
    printf("\n\nThe even numbers between %d and %d are \t",x,y);
    if(y>x)
    {
        for(i=x+1;i<y;i++)
        {
            if(i%2==0)
            {
                printf("%d\t",i);
            }
        }
     }
    else if(x>y)
    {
        for(i=y+1;i<x;i++)
        {
```

```
            if(i%2==0)
            {
                printf("%d\t",i);
            }
        }
    }
    else
    {
        printf("NONE");
    }
}
int main()
{
    int a,b,c,x,y;
    float avg;
    printf("Enter any three numbers:\n");
    scanf("%d%d%d",&a,&b,&c);
    if(a>c && b>c)
    {
        x=a;
        y=b;
     }
    else if(a>b && c>b)
    {
         x=a;
         y=c;
    }
    else
    {
```

```
        x=b;
        y=c;
    }
    printf("\nThe two greater numbers are %d and %d\n",x,y);
    avg = sumaver(x,y);
    printf("\nAverage of the numbers %d and %d = %.2f",x,y,avg);
    printeven(x,y);
    return 0;
}
```