Date:18/09/2020

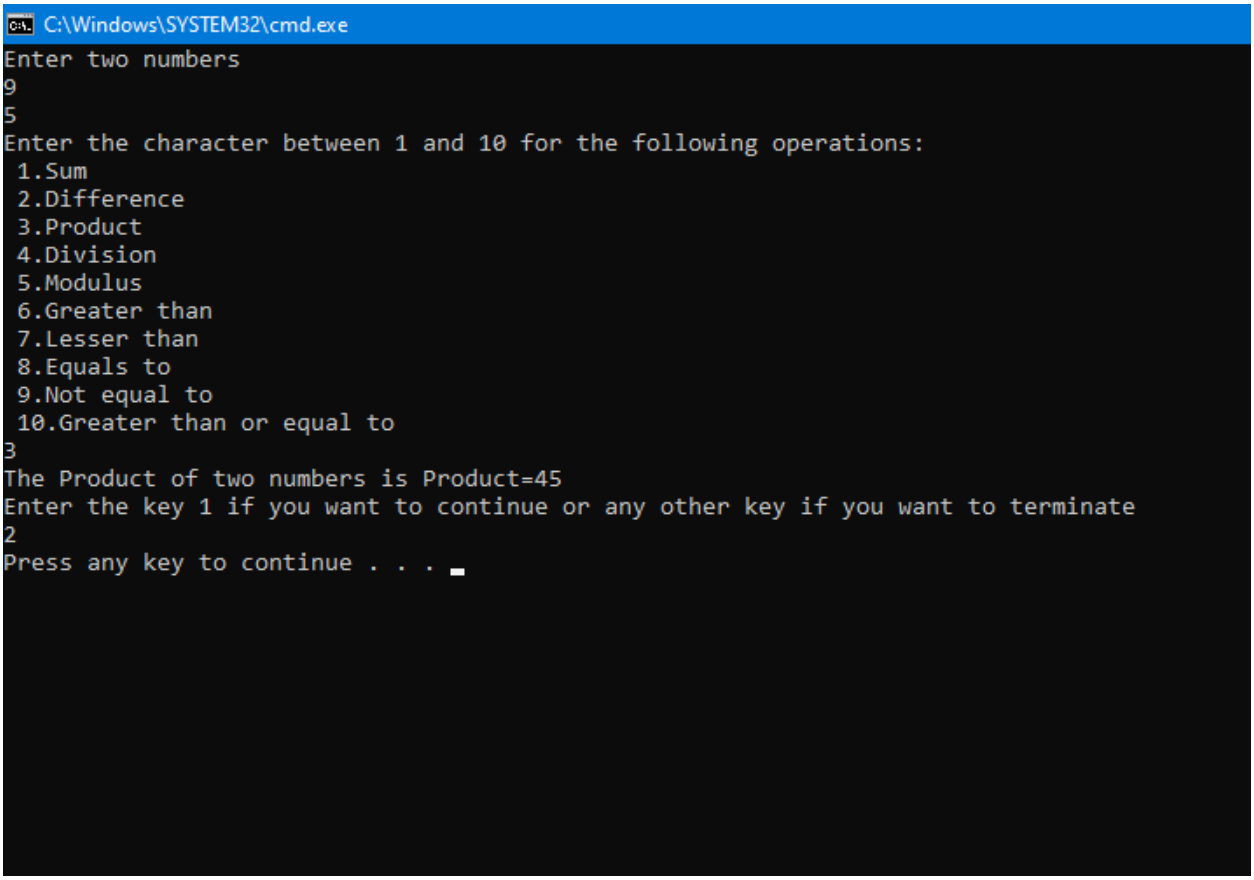
LAB 1

1ST PROGRAM

```
#include <stdio.h>

#include <math.h>

int main()

{

   int a,b,c,i;

  do

   {

      printf("Enter two numbers\n");

      scanf("%d %d",&a,&b);

      printf("Enter the character between 1 and 10 for the following operations:\n 1.Sum\n 2.Difference\n 3.Product\n 4.Division\n 5.Modulus\n 6.Greater than\n 7.Lesser than\n 8.Equals to\n 9.Not equal to\n 10.Greater than or equal to\n");

      scanf("%d",&i);

      switch(i)

      {

         case 1:printf("The sum of two numbers is Sum=%d\n",a+b);

               break;

         case 2:printf("The Difference of two numbers is Difference=%d\n",a-b);

               break;

         case 3:printf("The Product of two numbers is Product=%d\n",a*b);

               break;
```

```
case 4:printf("a/b=%d\n",a/b);
        break;
case 5:printf("The modulus of two numbers is Modulus=%d\n",a%b);
        break;
case 6:if(a>b)
printf("%d>%d\n",a,b);
else
    printf("%d>%d\n",b,a);
        break;
case 7:if(a<b)
    printf("%d<%d\n",a,b);
    else
        printf("%d<%d\n",b,a);
            break;
case 8:if(a==b)
    printf("Two numbers are equal\n");
    else
        printf("%d!=%d\n",a,b);
            break;
case 9:if(a!=b)
    printf("%d!=%d\n",a,b);
    else
        printf("Given two numbers are equal\n");
            break;
case 10:if(a>=b)
```

```
            printf("%d>=%d\n",a,b);
            else
               printf("%d is not greater than or equal to %d\n",a,b);
               break;
         default :printf("Enter the valid characters\n");

      }
      printf("Enter the key 1 if you want to continue or any other key if you want to terminate\n");
      scanf("%d",&c);
      if(c!=1)
         break;
   }while(1);
   return 0;
}
```



PROGRAM 2

```
#include <stdio.h>

#include <math.h>

float sumaver(int ,int);

int printeven(int, int);

int main()

{

   int a,b,c,g1,g2;

   float average;

   printf("Enter three numbers\n");
```

```
    scanf("%d %d %d",&a,&b,&c);
    if(c<a && c<b)
    {
       g1=a;
       g2=b;
    }
    else if(a<b && a<c)
    {
       g1=b;
       g2=c;
    }
    else
       {
          g1=a;
          g2=c;
       }
       average=sumaver(g1,g2);
       printf("The average of two greater numbers is:%f\n",average);
       printeven(g1,g2);
return 0;
}
float sumaver(int g1,int g2)
{
    float sum;
```

```
    float aver;
    sum=g1+g2;
    aver=sum/2;
    return aver;
}
int printeven(int g1,int g2)
{
    int i,large,small;
    if(g1>g2)
      {
          large=g1;
          small=g2;
      }
       else
       {
          large=g2;
          small=g1;
       }
       printf("The even numbers between two large numbers are:\n");
       for(i=small+1;i<large;i++)
       {
          if(i%2==0)
             printf("%d\n",i);
       }
```

```
    return 0;
}
```