

KIRAN M K - 1BM19CS073

Program 1 : 15-09-2020

```
#include<stdio.h>
#include<math.h>
void main()
{
    int a,b,ch=12;
    printf("enter the first number\n");
    scanf("%d",&a);
    printf("enter the second number\n");
    scanf("%d",&b);
    while(ch!=0)
    {
        printf("\nenter the choice\n");
        printf("1-Addition \n 2-Subtraction \n 3-Mutiplication \n 4-Division\n5-Greatest of 2 \n 6-Smallest of 2 \n 7- Equality \n 8-not equal \n 9-Modulus \n 10-Power\n");
        scanf("%d",&ch);
        switch(ch)
        {
            case 1: ;
            {
                printf("%d",(a+b));
                break;
            }
            case 2: ;
            {
                printf("%d",(a-b));
                break;
            }
            case 3: ;
            {
                printf("%d",(a*b));
                break;
            }
            case 4: ;
            {
                printf("%d",(a/b));
                break;
            }
            case 5:
            {
                if(a>b)
                    printf("%d",a);
                else
                    printf("%d",b);
                break;
            }
            case 6:
            {
                if(a<b)

                printf("%d",a);
                else
                    printf("%d",b);
                break;
            }
            case 7:
            {
                if(a==b)
```

```

        printf("numbers are equal\n");
        break;
    }
    case 8:
    {
        if(a!=b)
            printf("numbers are not equal\n");
            break;
    }
    case 9: ;

    {
        printf("%d", (a%b));
        break;
    }
    case 10: ;
    {
        printf("%f", pow(a,b));
        break;
    }

    default :
        printf("Wrong choice\n");
    }
}
}

```

OUTPUT:

```

enter the first number
6
enter the second number
9

enter the choice
1-Addition
2-Subtraction
3-Multiplication
4-Division
5-Greatest of 2
6-Smallest of 2
7- Equality
8-not equal
9-Modulus
10-Power
3
54
enter the choice
1-Addition
2-Subtraction
3-Multiplication
4-Division
5-Greatest of 2
6-Smallest of 2
7- Equality
8-not equal
9-Modulus
10-Power
6
6

```

```
1-Addition
2-Subtraction
3-Mutiplication
4-Division
5-Greatest of 2
6-Smallest of 2
7- Equality
8-not equal
9-Modulus
10-Power
10
10077696.000000
enter the choice
1-Addition
2-Subtraction
3-Mutiplication
4-Division
5-Greatest of 2
6-Smallest of 2
7- Equality
8-not equal
9-Modulus
10-Power
11
Wrong choice

enter the choice
1-Addition
2-Subtraction
3-Mutiplication
4-Division
5-Greatest of 2
6-Smallest of 2
7- Equality
8-not equal
9-Modulus
10-Power
0
Wrong choice
```