PROGRAM

```
package Arithematic;
import java.util.Scanner;
interface Operations{
    void sum();
    void difference();
    void multiplication();
    void division();
}
class Results implements Operations{
    public void sum(){
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter 2 nmbr :");
        int a=sc.nextInt();
        int b=sc.nextInt();
        float sum=a+b;
        System.out.println("Sum :"+sum);
    }
    public void difference(){
        Scanner sc=new Scanner(System.in);
```

```
        System.out.println("Enter 2 nmbr :");
        int a=sc.nextInt();
        int b=sc.nextInt();
        float dif=a-b;
        System.out.println("Difference :"+dif);
    }
    public void multiplication(){
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter 2 nmbr :");
        int a=sc.nextInt();
        int b=sc.nextInt();
        float mul=a*b;
System.out.println("Multiplication :"+mul);
    }
    public void division(){
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter 2 nmbr :");
        int a=sc.nextInt();
        int b=sc.nextInt();
        float div=a/b;
        System.out.println("Division :"+div);
```

```
    }
}
class ArithemeticOperations{
        public static void main(String ar[]){
            Results re=new Results();
            System.out.println();
            System.out.println("Sum ");
            re.sum();
            System.out.println();
            System.out.println("Difference ");
            re.difference();
            System.out.println();
            System.out.println("Multiplication ");
            re.multiplication();
            System.out.println();
            System.out.println("Division ");
            re.division();
            }
}
```

OUTPUT

```
Sum
Enter 2 nmbr :
24
12
Sum : 36. 0

Difference
Enter 2 nmbr :
66
38
Difference : 28.0

Multiplication
Enter 2 nmbr :
8
15
Multiplication : 120.0
```

Division
Enter 2 nmbr :
40
5
Division : 8.0