

## Experiment 8 BCA-4A

UID- 18BCA1051

NAME- Anisha Sharma

**AIM :-** Create user-defined class which will provide two methods:• setData – to get two numbers from user• showResult – to calculate the division of entered numbersAlso make sure you are handling the ArithmeticException and NumberFormatException

### IMPLEMENTATION

Code→

```
import java.util.Scanner;

class UserClass
{
    int a,b;

    Scanner s = new Scanner(System.in);

    void setData()
    {
        int a,b;

        System.out.print("Enter the value of A");

        a=Integer.parseInt(s.nextLine());
```

```

        System.out.println("Enter the value of B:");
        b=Integer.parseInt(s.nextLine());
        this.a=a;
        this.b=b;
    }
    void showResult()
    {
        System.out.println("The Division of two number
are:"+(a/b));
    }
}

public class ChildClass {
    public static void main(String[] args)
    {
        UserClass ud = new UserClass();
        try{
            ud.setData();
            ud.showResult();
        }
        catch(ArithmeticException e)
        {
            System.out.println("This is an Arithmetic

```

```
exception");
    }
    catch(NumberFormatException e)
    {
        System.out.println("This is a Number Format
Exception");
    }
}
}
```