Experiment 8 BCA-4A

UID- 18BCA1066

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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());
```

```java
        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");
```

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

Output:

Javac Childclass .java

Java Childclass

ENTER THE VALUE OF A:12

ENTER THE VALUE OF B:0

This is an Arithmetic exception

Java Childclass

Enter The Value Of A: Harpuneet

This is a Number Format exception …