**Experiment8BCA-4A**

**UID-18BCA3024**

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**AIM:-**Createuser-definedclasswhichwillprovidetwomethods:•setData–togettwonumbersfromuser•showResult–tocalculatethedivisionofenterednumbersAlsomakesureyouarehandlingtheArithmeticExceptionandNumberFormatException

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");

}

}

}