EXPERIMENT-8(JAVA)

NAME-PARTH SAINI

UID-18BCA1060

 COURSE-BCA

SEC-4A

Q)CREATE USER-DEFINED CLASS WHICH WILL PROVIDE TWO METHODS .SET DATA-TO GET TWO NUMBERS FROM USER.SHOW RESULT-TO CALCULATE THE DIVISION OF ENTERED NUMBERS ALSO MAKE SURE YOU ARE HANDLING THE ARITHEMATIC EXCEPTION & NUMBER FORMAT EXCEPTION.

```java
importjava.lang.*;

 importjava.io.*;

 importjava.util.Scanner;

 public classsa

{

 public static int show result(intaa) throwsArithmeticException

{

int result=12/aa;

return result;

 }

 public static void setdata(String input)

{

 int

value=0;

try

{

value=Integer.parseInt(input);

 }
```

```java
catch(NumberFormatExceptionaaaaaa)

{

System.out.println("BadInputData!!");

return;

 }

 try

{

System.out.println("Resultis:"+showresult(value));

}

 catch(ArithmeticExceptionaaaaaa)

{

System.out.println("Divisionbyzero!!");

}

}

publicstaticvoidmain(String[]a)

{

Scannerscan=newScanner(System.in);

String inData;

System.out.print("Enterthedivisor:");

inData=scan.next();

setdata(inData);

}

}
```