

# EXPERIMENT-8(JAVA)

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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 ARITHMETIC EXCEPTION & NUMBER FORMAT EXCEPTION.

```
import java.lang.*;
import java.io.*;
import java.util.Scanner;
public class sa
{
    public static int showresult(int a) throws ArithmeticException
    {
```

```

intresult=12/aa;
returnresult;
}
publicstaticvoidsetdata(Stringinput)
{
intvalue=0;
try
{
value=Integer.parseInt(input);
}
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);
}
}

```

