# Program 11 Develop programs for implementation of a)Exception handling

# b)User defined exception handling.

**CODE: BUILD-IN**

package Exception\_Handling;

public class Sample1{

public static void main(String[] args){

try{

int a=30,b=0,c;

c=a/b;

System.out.println("result = "+c);

}

catch(ArithmeticException e){

System.out.println("Can't divide a number by zero");

}

try{

int num = Integer.parseInt("Minal");

System.out.println(num);

}

catch(NumberFormatException e){

System.out.println("Number Format Exception");

}

try{

int a[] =new int[5];

a[7]=5;

}

catch(ArrayIndexOutOfBoundsException e){

System.out.println("Array index out of bound");

}

}

}

**OUTPUT:**

D:\java>javac -d . Sample1.java

D:\java>java Exception\_Handling.Sample1

Can't divide a number by zero

Number Format Exception

Array index out of bound

D:\java>

**CODE: USER-DEFINED**

package Exception\_Handling;

class user\_defined{

public static void main(String arg[]){

try{

throw new MyException(5);

}

catch(Exception e)

{

System.out.println(e);

}

}

}

class MyException extends Exception{

int a;

MyException(int b){

a=b;

}

public String toString(){

return("Exception number: " +a);

}

}

**OUTPUT:**

D:\java>javac -d . user\_defined.java

D:\java>java Exception\_Handling.user\_defined

Exception number: 5

D:\java>

