Program for Exception Handling

import java.io.\*;

import java.util.\*;

public class Exception1

{

public static void main(String args[])

{

Scanner s = new Scanner(System.in);

try

{

int choice=0;

System.out.println("1-ArithmeticException 2-ArrayIndexOutOfBounds 3-FileNotFoundException 4-Exit\n");

while(choice>=0)

{

try

{

System.out.println("Enter choice");

choice=s.nextInt();

if(choice==1){

int a=5,b=0;

int ans = a/b;

}

else if(choice==2)

{

int c[] = new int[3];

c[4]=5;

}

else if(choice==3)

{

File f1 = new File("D://File.txt");

FileReader f2 = new FileReader(f1);

}

else if(choice==4)

{

System.exit(0);

}

}

catch(ArithmeticException ae)

{

System.out.println("ArithmeticException Generated [Divide by 0]");

}

catch(ArrayIndexOutOfBoundsException ar)

{

System.out.println("ArrayIndexOutOfBoundsException [Illegal Array Assignment] Generated");

}

catch(FileNotFoundException f)

{

System.out.println("FileNotFoundException [Invalid FileName] Generated");

}

finally

{

}

}

}

catch(Exception e)

{

e.printStackTrace();

}

}

}

OUTPUT:

