

.....Practicle 6.....

```
package practical6;

import java.util.Scanner;

public class Exception {

    public static void main(String[] args) {

        // TODO Auto-generated method stub

        int num1,num2,result;

        Scanner sc=new Scanner(System.in);

        try {

            System.out.println("Enter first number:");

            num1=Integer.parseInt(sc.next());

            System.out.println("Enter second number:");

            num2=Integer.parseInt(sc.next());

            result=num1/num2;

            System.out.println("Division is:"+result);

            int x[]=new int[12];

            x[15]=60;

        }

        catch(ArithmeticException e) {

            System.out.println(e);

        }

        catch(NumberFormatException e) {

            System.out.println(e);

        }

        catch(ArrayIndexOutOfBoundsException e) {

            System.out.println(e);

        }

    }

}
```

```
}
```

.....Output.....

Enter first number:

10

Enter second number:

5

Division is:2

java.lang.ArrayIndexOutOfBoundsException: Index 15 out of bounds for length 12

Enter first number:

0

Enter second number:

5

Division is:0

java.lang.ArrayIndexOutOfBoundsException: Index 15 out of bounds for length 12

Enter first number:

10

Enter second number:

0

java.lang.ArithmeticException: / by zero