```java
package errorhanding;
public class errorChecking {
    public static voidmain (String []args){
        try {
            int x = 10;
            int y = 0;
            int z = x/y;
            System.out.println(z);
        }
        catch(Exception err){
            System.out.pringln(err.println(err.getMassage));
        }
    }
}
```

input

```
Exception Null pointer :java.lang.NullPointerException


...Program finished with exit code 0
Press ENTER to exit console.
```

Main.java | Test.java | untitled

```java
class main {
    public static void main(String[]args){
        try {
            int dividesByzero=5/0;
        }


     catch(ArithmeticException e){
        System.out.println("ArithmeticException=>"+e.getMessage());
        }
        finally{
            System.out.println("this is the finally block");

        }
    }
}
```

input

```
Exception Null pointer :java.lang.NullPointerException


...Program finished with exit code 0
Press ENTER to exit console.
```

```java
class MultiCatch{
    public static void main(String[]args){
        String s=null;
        int arr[]={10,20,30};
        try{
            System.out.println(s.length());
            System.out.println(arr[3]);


    }
    catch(ArrayIndexOutofBoundedException e1)
    {
        System.out.println("Exception Index Out of bounds :"+e1);

    }
    catch(NullPOinterException e2){
        System.out.println("Exception Null pointer :"+e2);
    }
}
```

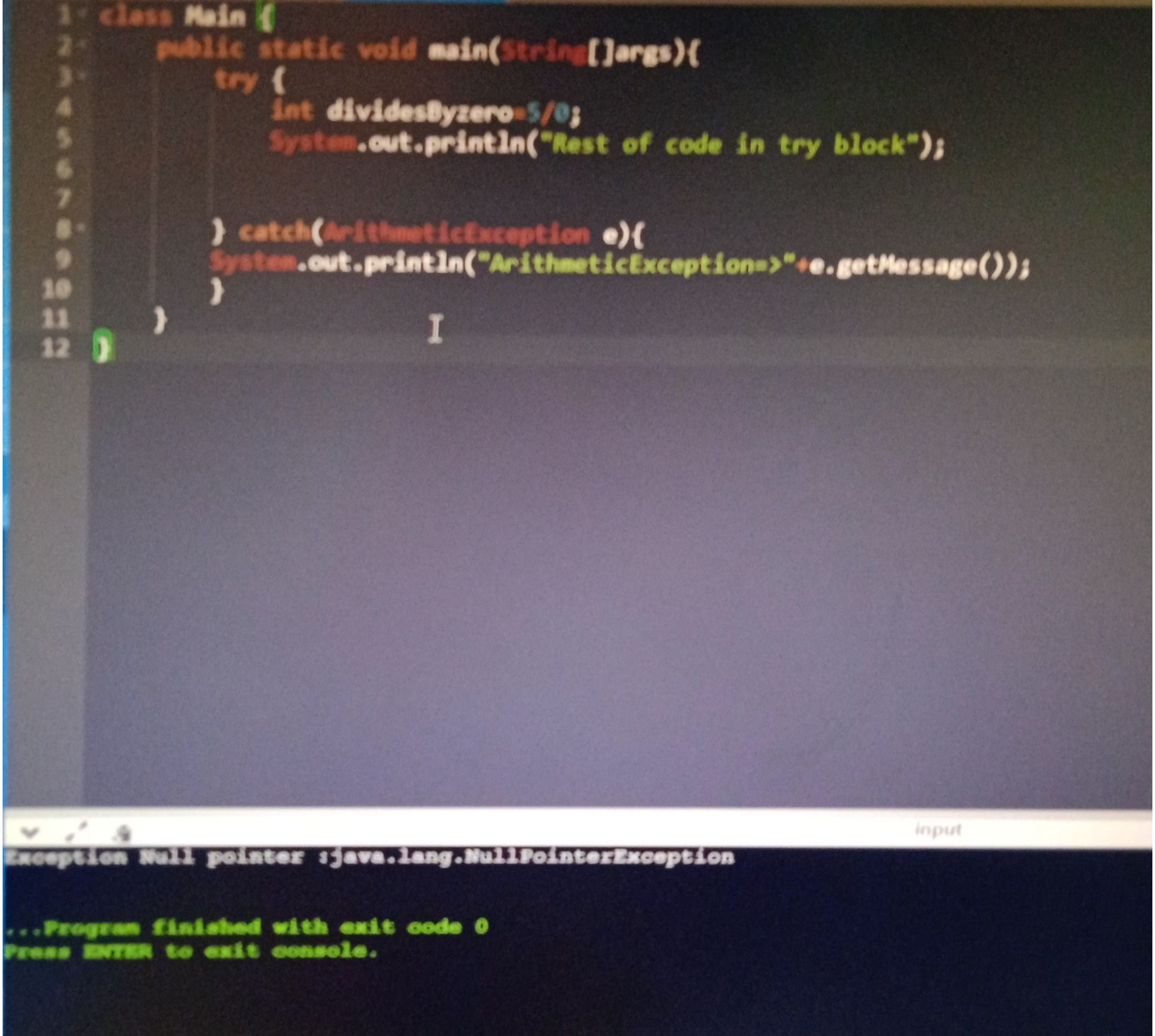
input

```
Exception Null pointer :java.lang.NullPointerException


...Program finished with exit code 0
Press ENTER to exit console.
```

```java
import.java.util.Scanner;
public class Test
{
    public static void main(string[]args){
        Scanner sc=new Scanner(System.in);
        try{
            int n=integer.parseint(scn.nextInt());
            if(99%n==0)
            System.out.println(n+" Is a factor of  99");
        }
        catch(ArithmeticException ex)
    {
        System.out.println("Arithmetic"+ex);


    }
    catch(NumberformatException ex)
    { System.out.println("Number format Exception"+ex);


    }
        }
```

input

```
ArithmeticException=>/ by zero


...Program finished with exit code 0
Press ENTER to exit console.
```


class Main {
public static void main(String[]args){
try {
int dividesByzero=5/0;
System.out.println("Rest of code in try block");
} catch(ArithmeticException e){
System.out.println("ArithmeticException=>"+e.getMessage());
}
}
}
input
Exception Null pointer :java.lang.NullPointerException
...Program finished with exit code 0
Press ENTER to exit console.

Main.java | Test.java | untitled

```java
import java.util.Scanner;
class Maain {
    public static void main(String[]args){
        try {
            int n;
            Scanner sc=new Scanner(System.in);
            System.out.println("enter value of n");
            n=sc.nextInt();
            int dividesByzero=5/0;
            System.out.println("Rest of code in try block");


        } catch(ArithmeticException e){
        System.out.println("ArithmeticException=>"+e.getMessage());
        }
    }
}
```

```java
class Main{
    String s="Hello";
    int[]a =[1,2,3];
    a.length ;
    s.length();
}
```

input

```
Exception Null pointer :java.lang.NullPointerException


...Program finished with exit code 0
Press ENTER to exit console.
```