

```
1 package errorhandling;
2 public class errorChecking {
3     public static void main (String []args){
4         try {
5             int x = 10;
6             int y = 0;
7             int z = x/y;
8             System.out.println(z);
9         }
10        catch(Exception err){
11            System.out.println(err.getMessage());
12        }
13    }
14 }
```

Exception Null pointer :java.lang.NullPointerException

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

Main.java Test.java untyped

```
1 class main {  
2     public static void main(String[] args){  
3         try {  
4             int dividesByzero=5/0;  
5         }  
6  
7  
8     catch(ArithmeticException e){  
9         System.out.println("ArithmeticException=>" + e.getMessage());  
10    }  
11    finally{  
12        System.out.println("this is the finally block");  
13    }  
14 }  
15 }  
16 }
```

I

input

Exception Null pointer :java.lang.NullPointerException

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


```
1 class MultiCatch{
2     public static void main(String[] args){
3         String s=null;
4         int arr[]={10,20,30};
5         try{
6             System.out.println(s.length());
7             System.out.println(arr[3]);
8
9         }
10    }
11    catch(ArrayIndexOutOfBoundsException e1)
12    {
13        System.out.println("Exception Index Out of bounds :"+e1);
14    }
15    }
16    catch(NullPointerException e2){
17        System.out.println("Exception Null pointer :"+e2);
18    }
19 }
```

input
Exception Null pointer :java.lang.NullPointerException

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


```

1  import java.util.Scanner;
2  public class Test
3  {
4      public static void main(string[] args){
5          Scanner sc=new Scanner(System.in);
6          try{
7              int n=integer.parseInt(sc.nextInt());
8              if(99%n==0)
9                  System.out.println(n+" Is a factor of 99");
10         }
11         catch(ArithmeticException ex)
12         {
13             System.out.println("Arithmetic"+ex);
14         }
15     }
16     catch(NumberFormatException ex)
17     { System.out.println("Number format Exception"+ex);
18     }
19
20
21 }
22

```

ArithmeticException=>/ by zero

input

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


```
1 class Main {  
2     public static void main(String[] args){  
3         try {  
4             int dividesByzero=5/0;  
5             System.out.println("Rest of code in try block");  
6  
7  
8         } catch(ArithmeticException e){  
9             System.out.println("ArithmeticException=>" + e.getMessage());  
10        }  
11    }  
12 }
```

Exception Null pointer :java.lang.NullPointerException

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


```
1 import java.util.Scanner;
2 class Maain {
3     public static void main(String[] args){
4         try {
5             int n;
6             Scanner sc=new Scanner(System.in);
7             System.out.println("enter value of n");
8             n=sc.nextInt();
9             int dividesByzero=5/0;
10            System.out.println("Rest of code in try block");
11
12
13        } catch(ArithmeticException e){
14            System.out.println("ArithmeticException=>" + e.getMessage());
15        }
16    }
17 }
```



```
1 class Main{  
2     String s="Hello";  
3     int[]a =[1,2,3];  
4     a.length ;  
5     s.length();  
6 }
```

I

Exception Null pointer :java.lang.NullPointerException

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