

JAVA_Assignment19

Exception Handling

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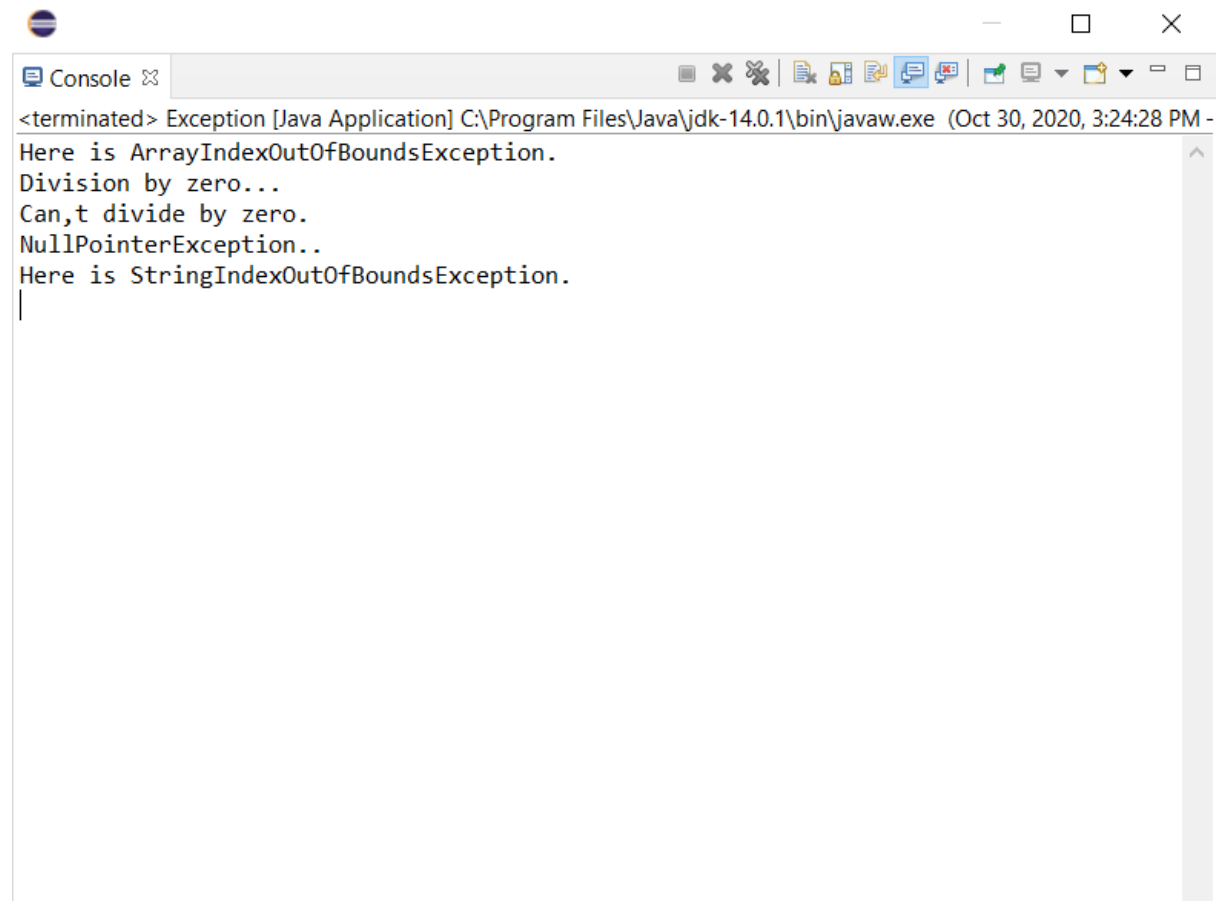
CODE:

```
public class Exception {  
    public static void main(String[] args) {  
        try  
        {  
            int [] arr= {1,2,3,4,5};  
            System.out.println(arr[5]);  
        }  
        catch(ArrayIndexOutOfBoundsException e)  
        {  
            System.out.println("Here is ArrayIndexOutOfBoundsException.");  
        }  
  
        try  
        {  
            int num=0;  
            System.out.println("Division by zero...");  
            int res=100/num;  
        }  
        catch(ArithmeticException e)  
        {  
            System.out.println("Can,t divide by zero.");  
        }  
  
        try //null pointer exception  
        {  
            String s = null; //null value  
            System.out.println(s.charAt(0));  
        }  
        catch(NullPointerException e)  
        {  
            System.out.println("NullPointerException..");  
        }  
  
        try //StringIndexOutOfBoundsException  
        {  
            String a = "This is Exception handling."; // length is 27  
            char c = a.charAt(27); // accessing 28th element  
            System.out.println(c);  
        }  
        catch(StringIndexOutOfBoundsException e)  
        {  

```

```
        System.out.println("Here is  
StringIndexOutOfBoundsException.");  
    }  
}  
}
```

OUTPUT:



The screenshot shows a Java IDE window with a console pane. The console title is "Console" with a close button. The output text is as follows:

```
<terminated> Exception [Java Application] C:\Program Files\Java\jdk-14.0.1\bin\javaw.exe (Oct 30, 2020, 3:24:28 PM -  
Here is ArrayIndexOutOfBoundsException.  
Division by zero...  
Can,t divide by zero.  
NullPointerException..  
Here is StringIndexOutOfBoundsException.  
|
```