

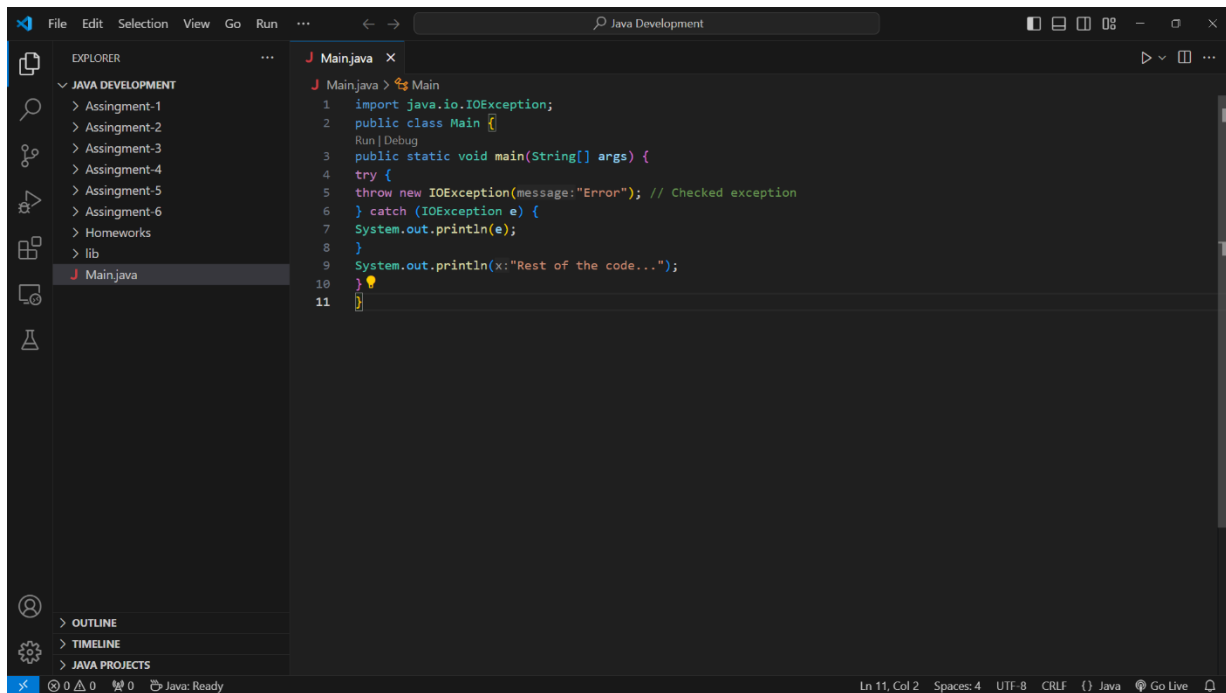
SUBMITTED BY: -

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CSE-37

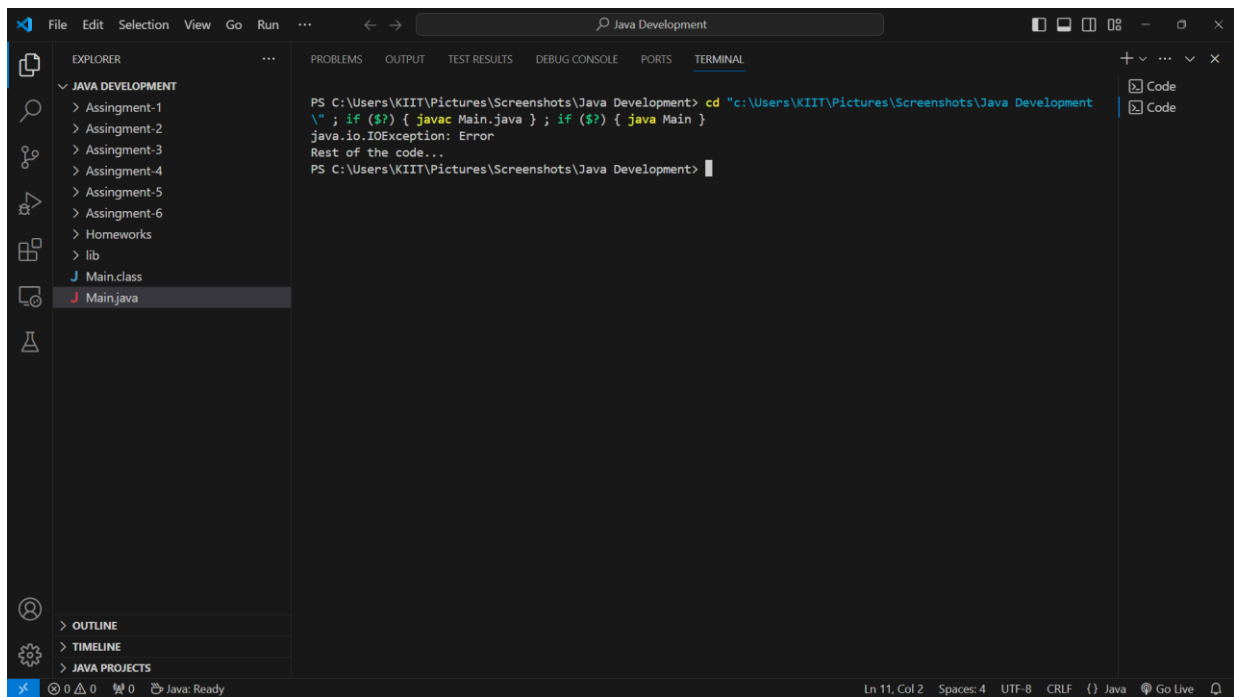
Q1- . Write an example to show handling of checked exception in Java.



The screenshot shows an IDE window titled 'Java Development'. The Explorer panel on the left shows a project structure with 'JAVA DEVELOPMENT' containing 'Assingment-1' through 'Assingment-6', 'Homeworks', 'lib', and 'Main.java'. The Main.java file is open in the editor, showing the following code:

```
1 import java.io.IOException;
2 public class Main {
3     Run | Debug
4     public static void main(String[] args) {
5         try {
6             throw new IOException(message:"Error"); // Checked exception
7         } catch (IOException e) {
8             System.out.println(e);
9         }
10        System.out.println(x:"Rest of the code...");
11    }
```

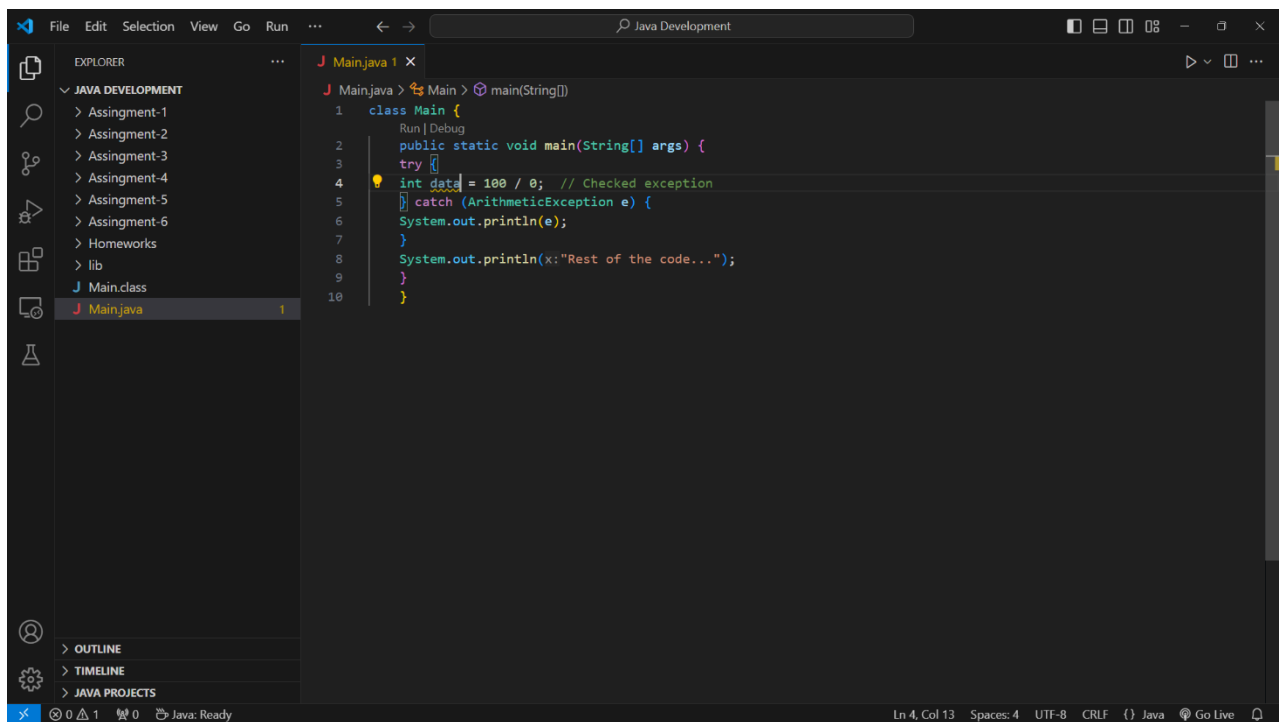
OUTPUT: -



The screenshot shows the same IDE window with the 'TERMINAL' panel active. The terminal output shows the command to compile and run the code, followed by the output of the program:

```
PS C:\Users\KIIT\Pictures\Screenshots\Java Development> cd "c:\Users\KIIT\Pictures\Screenshots\Java Development"
\n" ; if ($?) { javac Main.java } ; if ($?) { java Main }
java.io.IOException: Error
Rest of the code...
PS C:\Users\KIIT\Pictures\Screenshots\Java Development>
```

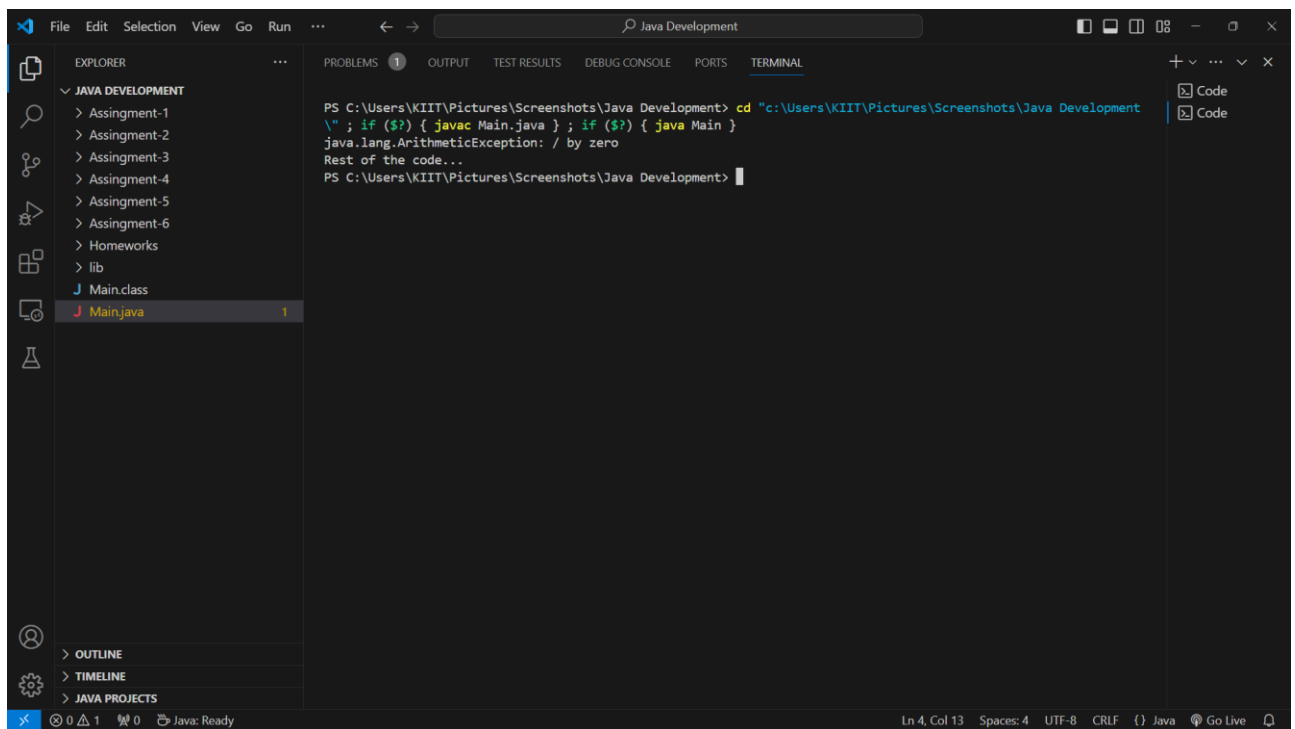
Q2)-Write an example to show handling of unchecked exception in Java.



The screenshot shows an IDE with a project named 'JAVA DEVELOPMENT'. The Explorer panel on the left lists files: Assingment-1 through Assingment-6, Homeworks, lib, Main.class, and Main.java. The Main.java file is selected and open in the editor. The code in Main.java is as follows:

```
1 class Main {  
2     public static void main(String[] args) {  
3         try {  
4             int data = 100 / 0; // Checked exception  
5         } catch (ArithmeticException e) {  
6             System.out.println(e);  
7         }  
8         System.out.println("Rest of the code...");  
9     }  
10 }
```

OUTPUT: -



The screenshot shows the same IDE with the 'TERMINAL' panel active. The terminal displays the output of running the Java program:

```
PS C:\Users\KIIT\Pictures\Screenshots\Java Development> cd "c:\Users\KIIT\Pictures\Screenshots\Java Development  
\" ; if ($?) { javac Main.java } ; if ($?) { java Main }  
java.lang.ArithmeticException: / by zero  
Rest of the code...  
PS C:\Users\KIIT\Pictures\Screenshots\Java Development>
```