

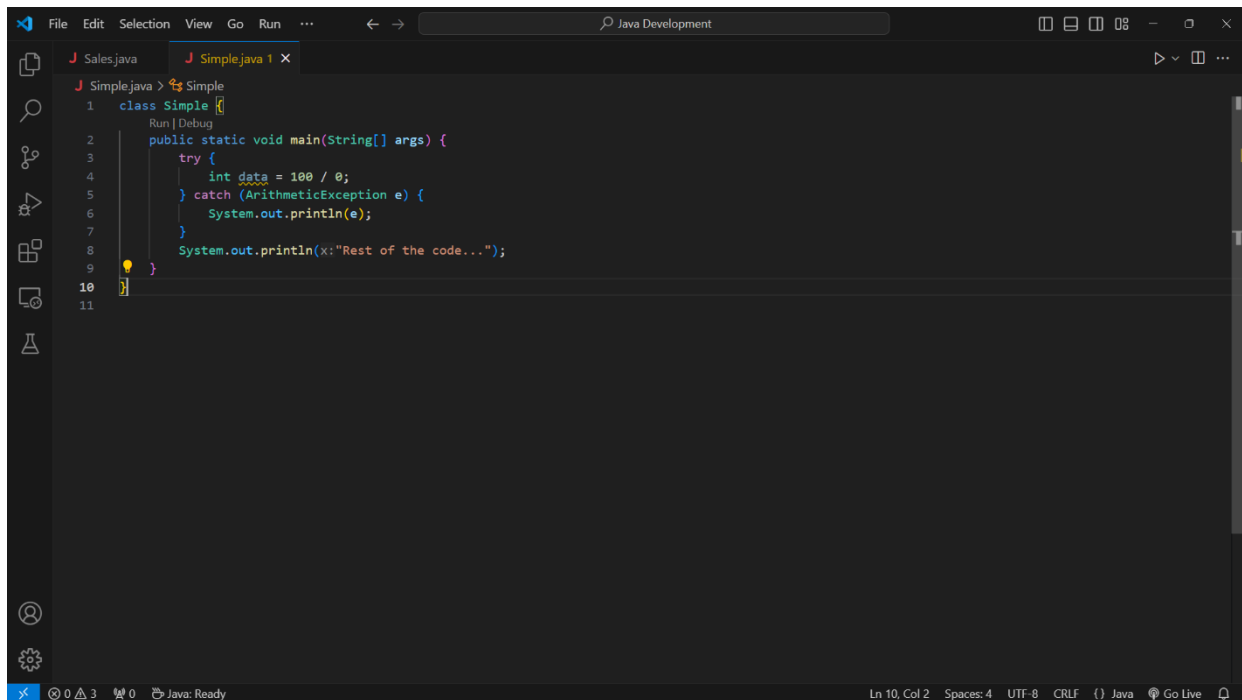
SUBMITTED BY: -

KANISHK

2205130

CSE-37

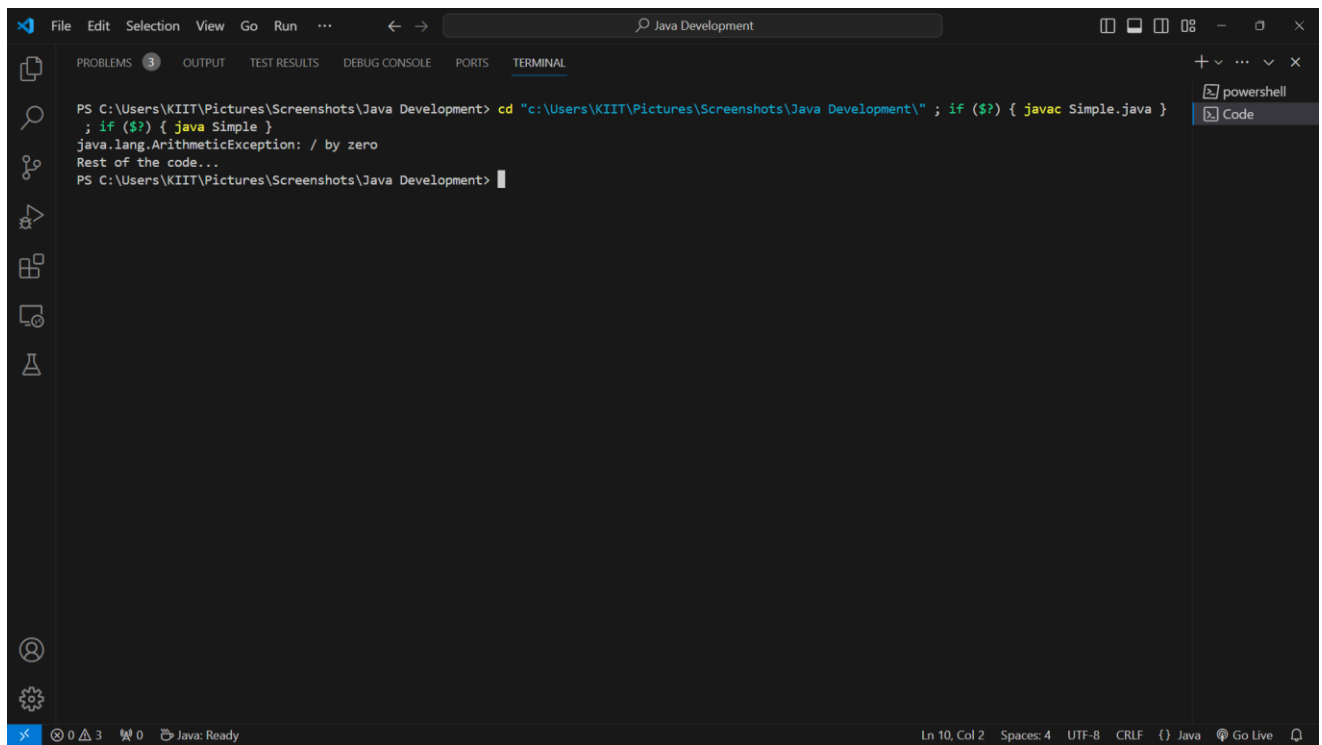
Q1- Check the output of the code with & without try...catch block.



The screenshot shows an IDE window with a Java file named 'Simple.java'. The code is as follows:

```
1 class Simple {  
2     public static void main(String[] args) {  
3         try {  
4             int data = 100 / 0;  
5         } catch (ArithmeticException e) {  
6             System.out.println(e);  
7         }  
8         System.out.println("Rest of the code...");  
9     }  
10 }  
11
```

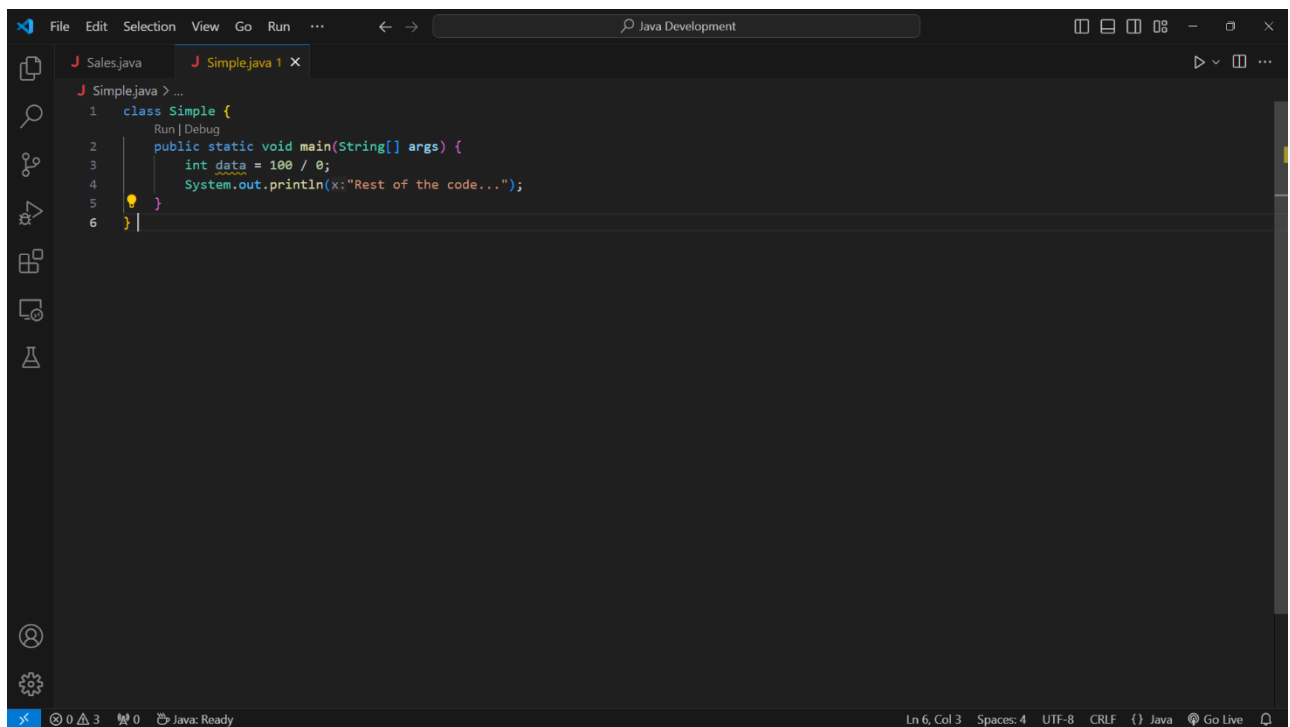
OUTPUT: -



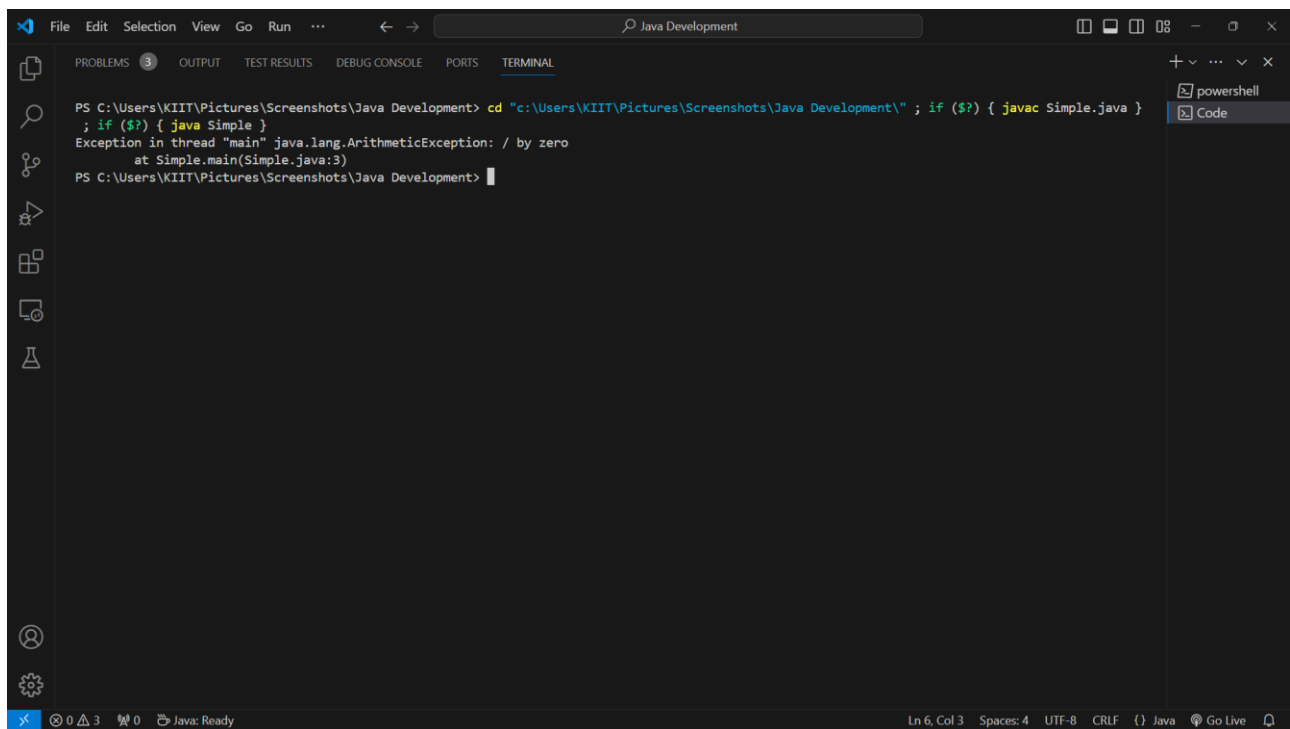
The screenshot shows the terminal output of the Java program. The command executed is `cd "c:\Users\KIIT\Pictures\Screenshots\Java Development\" ; if ($?) { javac Simple.java } ; if ($?) { java Simple }`. The output is:

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

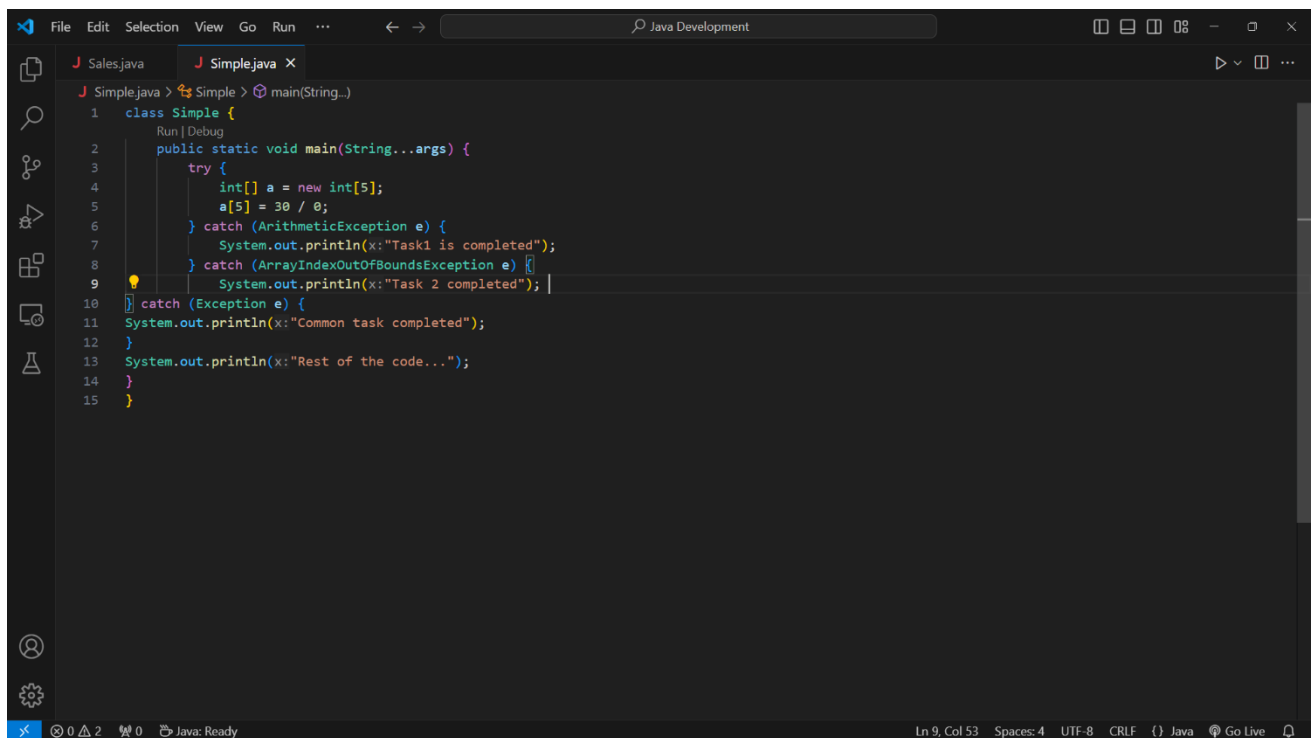
Q2)- Without try...catch:



OUTPUT: -



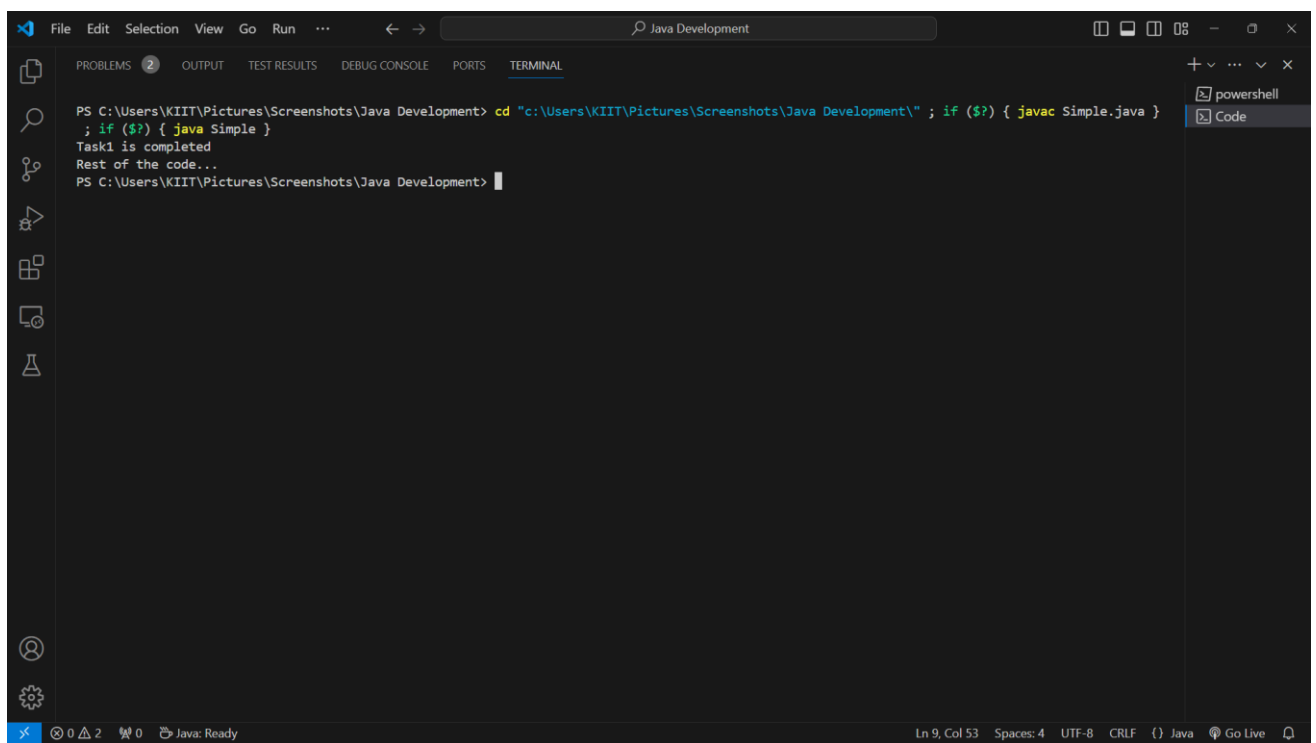
Q3) Execute a code to demonstrate the usage of try with multiple catch.



The screenshot shows an IDE window titled 'Simplejava' with the following Java code:

```
1 class Simple {
2     public static void main(String...args) {
3         try {
4             int[] a = new int[5];
5             a[5] = 30 / 0;
6         } catch (ArithmeticException e) {
7             System.out.println(x:"Task1 is completed");
8         } catch (ArrayIndexOutOfBoundsException e) {
9             System.out.println(x:"Task 2 completed");
10        } catch (Exception e) {
11            System.out.println(x:"Common task completed");
12        }
13        System.out.println(x:"Rest of the code...");
14    }
15 }
```

OUTPUT: -



The screenshot shows the 'TERMINAL' tab of the IDE with the following output:

```
PS C:\Users\KIIT\Pictures\Screenshots\Java Development> cd "c:\Users\KIIT\Pictures\Screenshots\Java Development\" ; if ($?) { javac Simple.java }
; if ($?) { java Simple }
Task1 is completed
Rest of the code...
PS C:\Users\KIIT\Pictures\Screenshots\Java Development>
```