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| ../ama%20university.png../AMAOEd.png | Course Code | CS202 |
| Description | Computer Programming 2 |
| College / Department:  **Online Education** | Laboratory  Exercise No. | 009 |
| **LABORATORY EXERCISE** | | Page 1 of 2 |



**Instructions:**

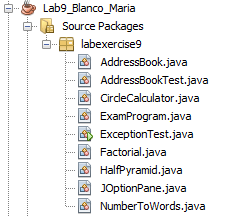
• Upload your solution to the link provided on the course page.

• Create one NetBeans project for the 2 problems below. The project name should be

Project Name: Lab9\_<lastname\_firstname>

Example: **Lab9\_Blanco\_Maria**

* Compress the NetBeans project into .rar or .zip format.
* The class names to be created are specified in the project structure below.



• **Only NetBeans project compressed in .rar or .zip format will be accepted.**

**1. ArrayIndexOutOfBoundsException**

Given the following code:

*public class ExceptionTest{*

*public static void main( String[] args ){*

*String nums[] = {“one”, “two”, “three”};*

*for( int i=0; i<=3; i++ ){*

*System.out.println(nums[i]);*

*}*

*}*

*}*

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Compile and run the TestExceptions program. The output should look like this:

one

two

three

Exception in thread "main"

java.lang.ArrayIndexOutOfBoundsException: 3

at *ExceptionTest*.main(1.java:4)

Modify the TestExceptions program to handle the exception. The output of the program after catching the exception should look like this:

one

two

three

Exception caught: Array Index 3 is out of bounds

**2. Catching Exceptions**

Implement Exception handling for the programs you have written in the laboratory exercises as listed below. Note that all data to be used for processing must be input data (data entry from the user). When an invalid data is entered, the program should loop back to data entry until the input becomes valid.

1. Lab Exercise 003 – Circle Calculator and JOptionPane
2. Lab Exercise 004 – Exam Questions, Factorial, Number to Words, Pyramid
3. Lab Exercise 007 – Address Book

Sample Output:

