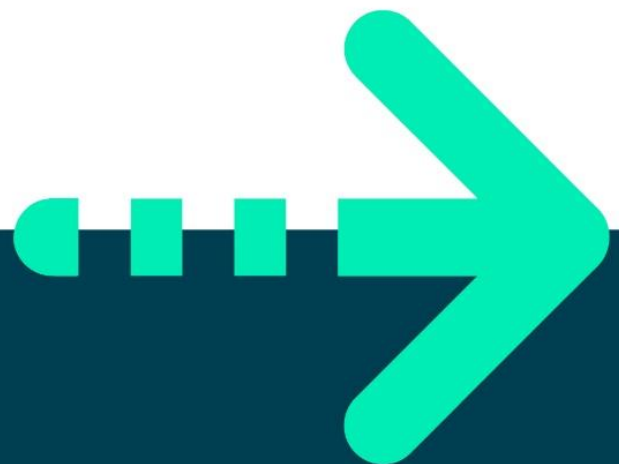




LAB 1, INTRODUCTION TO JAVA AND ECLIPSE

JAVA FUNDAMENTALS





Lab 1, Introduction to Java and Eclipse

Objective

In this lab you will

- Create a Console program using the Eclipse IDE
- Run the program

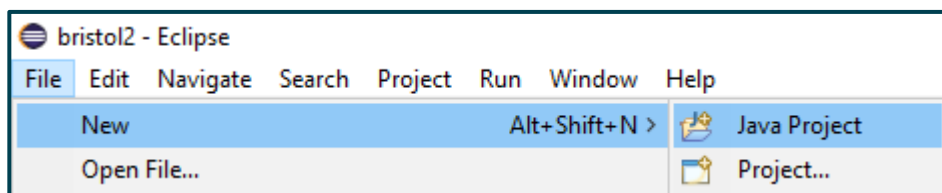
Overview

Eclipse is the development tool used by many Java developers and throughout this course. This lab will show you how to create and run a Java program.

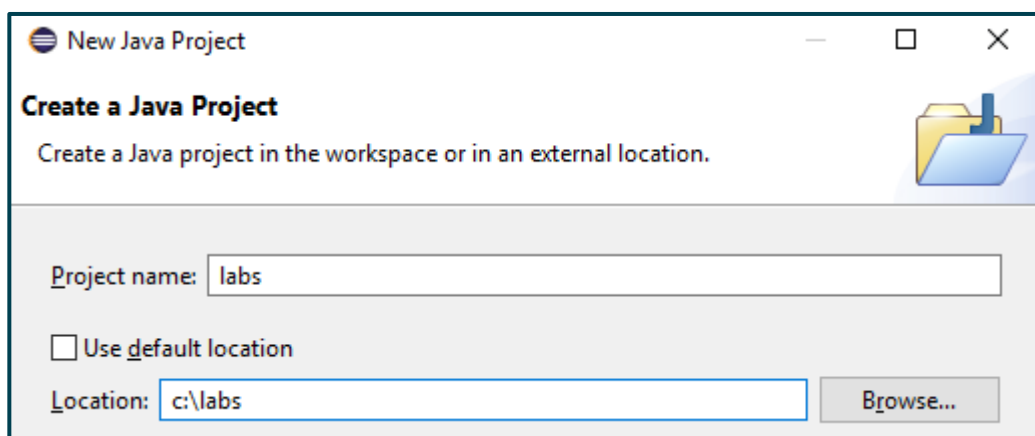
Step by step

Creating a new Java application

1. Launch Eclipse and type C:\Labs as the location for your 'workspace'. (You may choose a different location but make a note of where it is.)
2. Dismiss the Welcome window if it appears.
3. Choose menu option File > New > Java Project



4. Type the following project name. If the default location is the one you want to use, leave it as it is; otherwise, uncheck 'Use default location' and enter your choice of folder. Accept the other default settings::



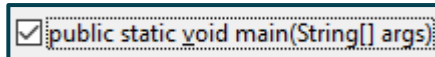
5. Click 'Finish'



6. Right click on the labs folder in your project explorer and then select
New > Package
name this package **lab01**
Click 'Finish'. (This step will be left out from now on.)
7. Right click on the **lab01** node and then select New > Class
Name this class **Program**



And make sure you select



Writing the Code

8. In the Program class's main method type the following:

```
public static void main(String[] args) {  
    System.out.println("Hello, world!");  
}
```

9. In the line below the `System.out.println`, type 'sys' and hit **Ctrl-Space** you'll find that *Content Assist* pops up a list of candidates.

Choose the entry **sysout** and then hit **Ctrl-Space**. The first entry in the context menu will type `System.out.println`.

Inside the parentheses type the String "My name is --" fill the -- with your name

Make sure you make full use of this time saving editor command.

Building and running the program

10. Compiling the program is done by saving your code (Ctrl-s)
11. Press **Ctrl+F11** to run the program or click the green Run icon.

A Console window will become active at the bottom of Eclipse.
Please view the output for the *println* messages.

**** End ****

