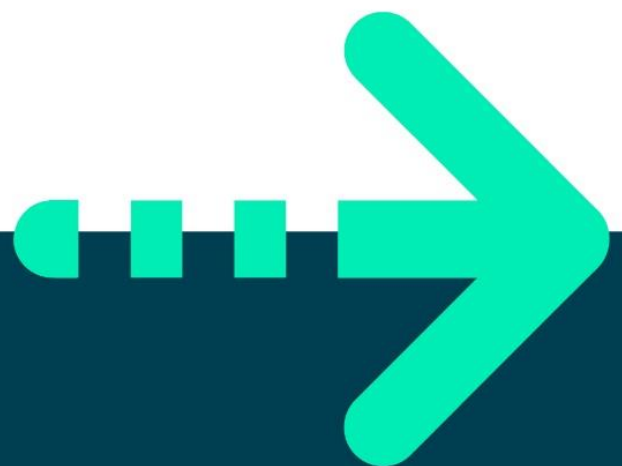




Lab 1:

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.

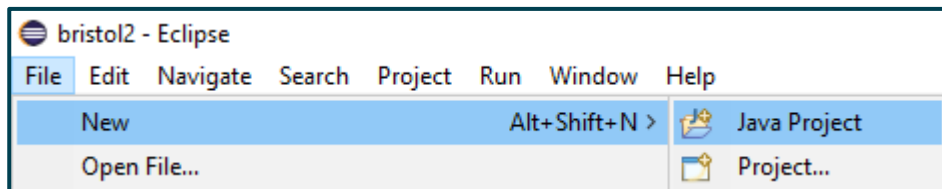
Overview

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.

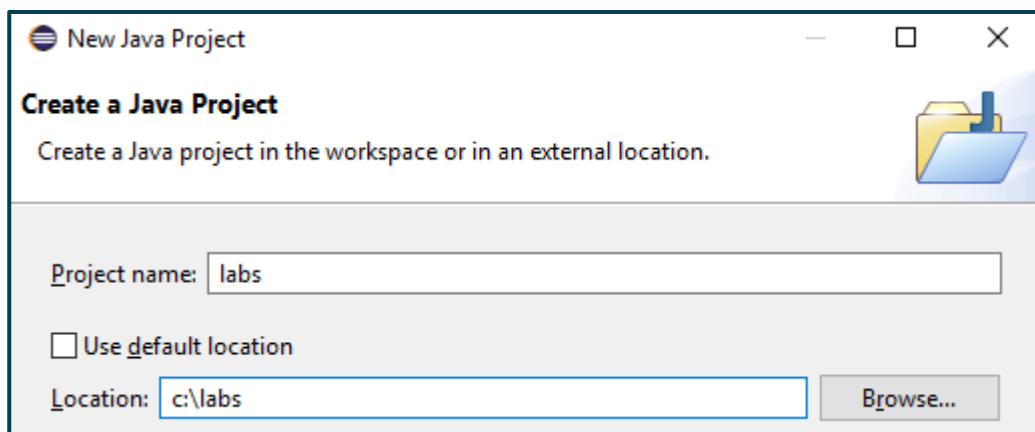
Step by step

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:





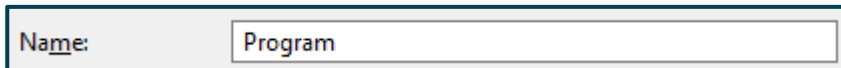
5. Click **Finish**.
6. Right-click on the labs folder in your project explorer and then select **New > Package**.

Name this package **lab01**

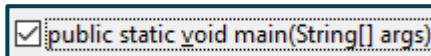
Click **Finish**. (This step will be left out from now on.)

7. Right-click on the **lab01** node then select **New > Class**.

Name this class **Program**.



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 __", filling 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 ****

