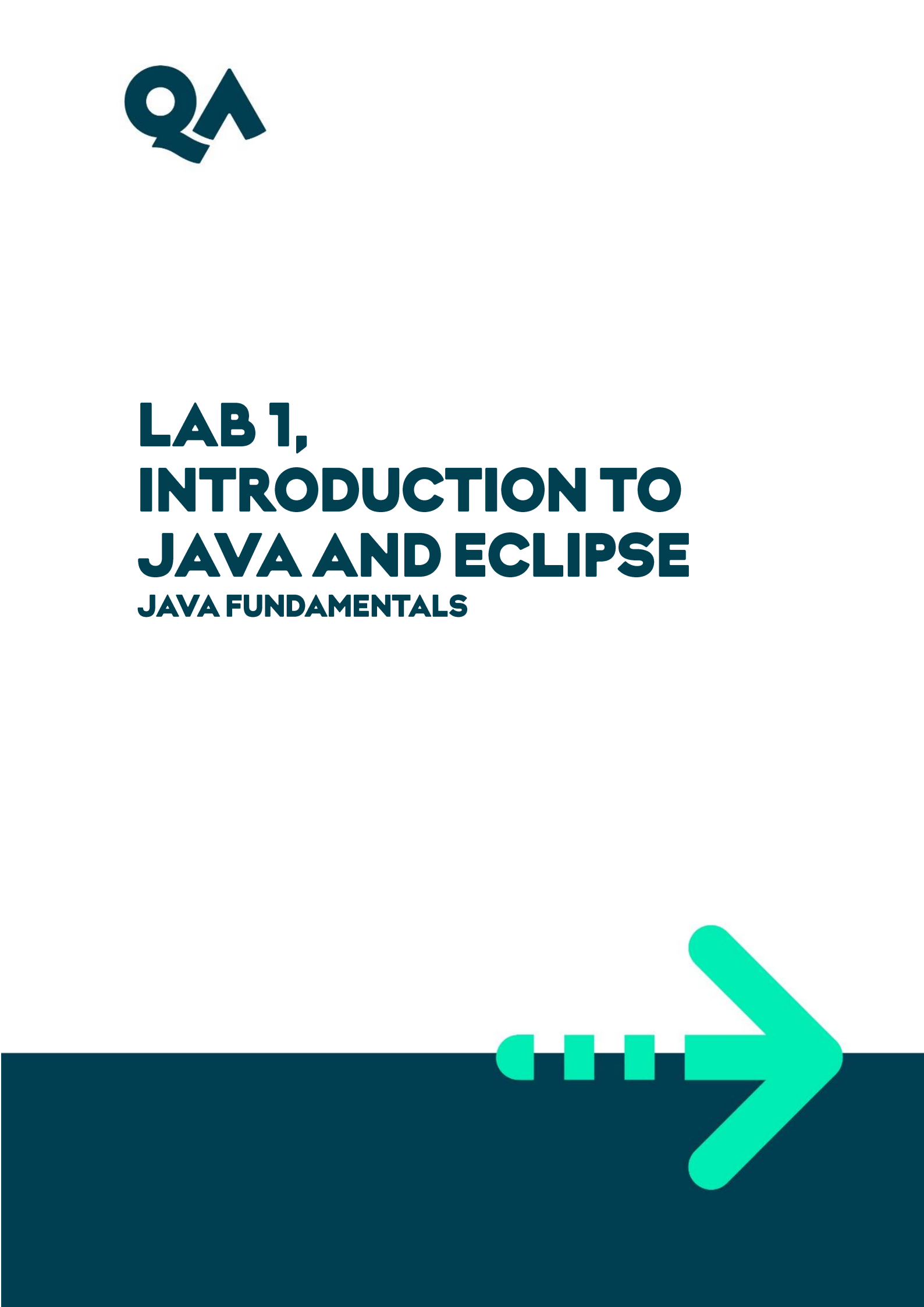


LAB 1, INTRODUCTION TO JAVA AND ECLIPSE

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

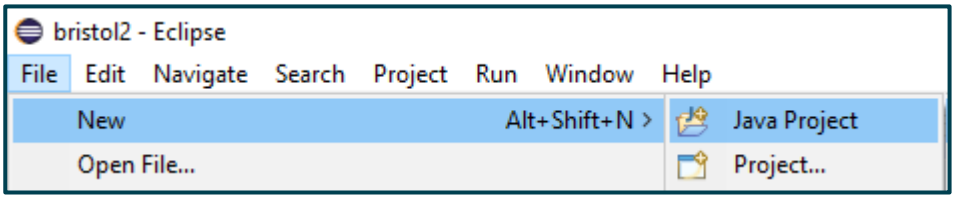
Overview

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.

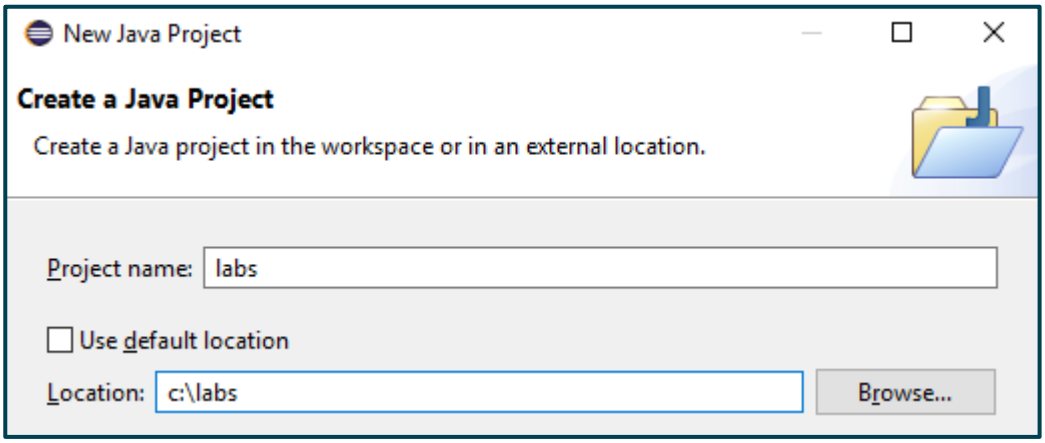
Step by step

Creating a new Java application

1. Launch Eclipse and type C:\Labs as the location for your 'workspace'.
2. Dismiss the Welcome window.
3. Choose menu option File > New > Java Project



4. Type the following project name and location and then accept the other default settings::



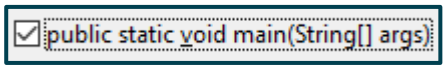
5. Click 'Finish'
6. Right click on the lab1 folder in your project explorer and then select

New > Package

name this package **lab01**

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 candidate.

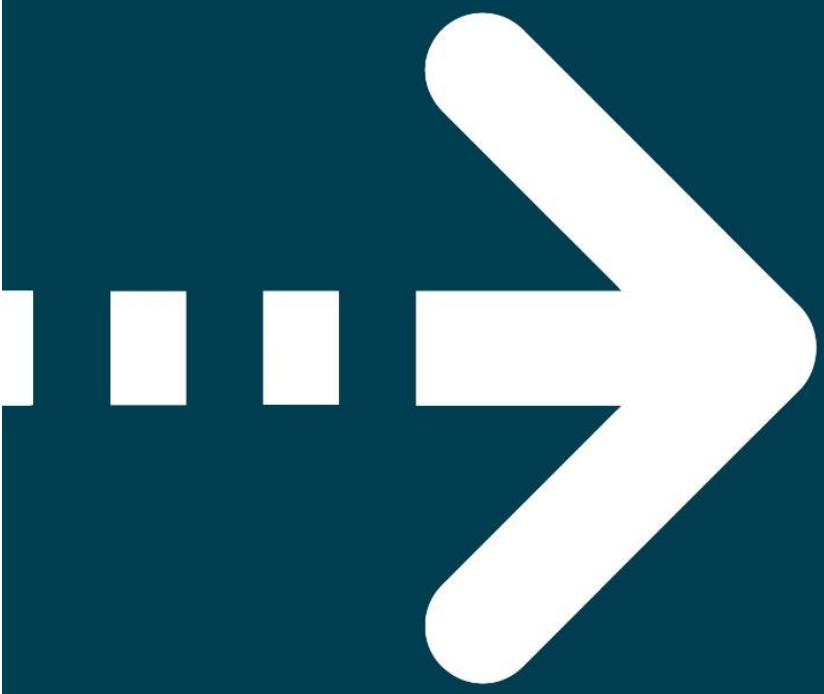
   Choose the entry **syso** 'and then hit **Ctrl-Space.** The first entry in the context menu will type `System.out.println`.

   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.

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