# Week 01: Coursework

## Java Introduction

1. Please create a new Gradle project in Eclipse as we did in class.
2. Inside the project, create a java package called *“com.busyqa.coursework”*.
3. Create a class in the “*com.busyqa.coursework*” package for each exercise described below.
   1. Write a Java program to print 'Hello' on screen and then print your name on a separate line.

For instance:

Hello

John Doe

* 1. Write a Java program to print the sum of two numbers.

For instance: Input: 74 + 26

Output: 100

* 1. Write a Java program to divide two numbers and print them on the screen.

For instance: Input: 50 / 20

Output: 2.5

* 1. Write a Java program to display the following pattern.

Sample Pattern:

J a v v a

J a a v v a a

J J aaaaa V V aaaaa

JJ a a V a a

* 1. Write a Java program that reads two numbers as input from the keyboard and displays their product on the screen.

**Hint:** Use the Scanner class to read the numbers.

1. You can find the solutions for the exercises above in the Github repository:

<https://github.com/busyQA-java-developer/busyqa-01-java-2-coursework-complete.git>

# Additional Exercises - Optional

## Java Variables

1. Please create a new Gradle project in Eclipse.
2. Inside the project, create a java package called “*com.busyqa.exercises”*.
3. Open the following link and create a class in the “*com.busyqa.exercises*” package for each exercise from exercises 1 to 15. You can find the solutions to the exercises in the link.

<https://www.w3resource.com/java-exercises/datatypes/index.php>

1. After you finish the exercises, please upload your project to your GitHub repository.

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