

HW 01: BusinessCard

Release date: Friday, 26th August, 2016

Due date: Friday, 2nd September, 2016 - 11:59 pm

Goals:

- Write, compile, and run a Java GUI program

Description:

You are required to write a Java GUI program that gets the name, major and e-mail of the user, and then displays this information in a pop-up message that has a predefined format.

Prerequisites:

1. Being able to use methods from the **JOptionPane** class to obtain user input and display messages to the user.
2. Being able to build a new **String** by *concatenating* more than one String.

Requirements:

1. You are required to develop the class **BusinessCard.java** that has the following program flow.

BusinessCard Program Flow

1. BusinessCard should display the following three messages to get the name, major and email address of the user. First, a message appears that prompts the user for his/her name. Then, the user is asked to input his/her major in another message box. Finally, the user is prompted to input his/her email address in the third message box.

The image shows three sequential Java GUI input dialog boxes, each titled 'Input' with a close button (X) in the top right corner. Each dialog box contains a green question mark icon, a prompt, a text input field, and 'OK' and 'Cancel' buttons.

- First dialog:** Prompt is 'Enter your name:'. The text input field contains 'John Doe'.
- Second dialog:** Prompt is 'Enter your major:'. The text input field contains 'Computer Science'.
- Third dialog:** Prompt is 'Enter your e-mail:'. The text input field contains 'jdoe@domain.com'.

2. BusinessCard should finally display the input information in the format shown in the following figure.



Appendix

String Concatenation

Suppose that you have the three following Strings:

1. String hello = "Hello";
2. String space = " ";
3. String world = "World!";

If you want to compose the String "Hello World!" using the previous Strings, you can use the '+' operator as follows:

```
String helloWorld = hello + space + world;
```

If you want to insert a line break between the two strings: hello and world, you can use the "\n" escape sequence as follows:

```
String helloWorld = hello + "\n" + world;
```

For more information on Java **escape sequences**, please refer to the following link:

<https://docs.oracle.com/javase/tutorial/java/data/characters.html>

Submission Instructions

Submit your files to [Vocareum](#) by following [these instructions](#). There is no submission limit for this homework, as long as you submit before the deadline. Keep in mind that only your last submission will be considered.

You are responsible for making sure that your submitted code compiles and runs correctly.

For instructions on how to install and run Java in your personal computer, visit the Resources and Windows Resources sections on the [course page](#)