

Homework 01: Business Card

Release date: 1/14

Due date: 1/21

Goals:

- Get familiar primitive data types
 - Get familiar with **String**
 - Get familiar with user input using **Scanner**.
 - Get familiar with printing output to the console
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Introduction:

As you are going to learn, the concept of type is a very important part of many programming languages. Variables are also an important part, and must be declared with a specific type in Java. A variable can be thought of as a box, and the type of a variable can be thought of a label on the box — making sure that it can only hold contents of that particular type.

In Java, there are eight primitive types to choose from — **byte**, **char**, **short**, **int**, **long**, **float**, **double**, and **boolean**. **int**, for instance, can hold whole numbers like **42**, **1000**, or **5679**. Another type, **double**, can hold floating point numbers like **3.14**, **2.72**, or **1.414**. The type **String** is a little different, and you will learn this later on in the course. All you need to know now, though, is that a variable of type **String** can be used to hold text in double quotes, such as **"Hello, world!"** or **"CS18000"**. Your job below, is to implement a program to prompt a student for some information, then display it in a business card format. Doing so will introduce you to the types **int**, **double**, and **String**.

Description:

Write a program that prompts a student, using **Scanner**, for their name (a **String**), age (an **int**), GPA (a **double**), major (a **String**), and email (a **String**).

The information should then be displayed in the business card format shown on the example output, which is located on the next page.

Example output:

```
Enter your name: John Doe
Enter your age: 18
Enter your GPA: 4.0
Enter your major: Computer Science
Enter your email: jdoe@purdue.edu

Name: John Doe
Age: 18
GPA: 4.00
Major: Computer Science
Email: jdoe@purdue.edu
```

Submission:

You are required to create one class with a **main()** method, **BusinessCard**, that follows the specifications outlined above. It is to be held in a file called **BusinessCard.java**. Keep in mind that only your last submission will be considered.

Grading Rubric

- **BusinessCard** class — 100 points total
 - 10 points each (5 total)
 - Prompts the user for their name (a **String**)
 - Prompts the user for their age (an **int**)
 - Prompts the user for their GPA (a **double**)
 - Prompts the user for their major (a **String**)
 - Prompts the user for their email (a **String**)
 - 50 points for the correct business card format