Aε01 : Say Hi to the user!

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Contents

Overview

This assignment will be an exercise in getting used to Java input and output. You will be writing an addition to one of the most popular introductory programs in the world. Hello World!, Only now you are interested in a single user.

Background

There are many methods in Java that will help your program get input from a user. Two of these methods are commonplace and simple to use, both of which are console based. We will get into JOptionPane based and graphical input much later when we address graphical user interfaces.

Console Input

```
Scanner scanner = new Scanner(System.in);
String input = scanner.next();


BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
String input = br.readLine();
```

These two methods both do relatively the same thing. For now we forget about the differences and focus on the similarity: String input. Take a close look at each one. Notice how both use the System class. This is no coincidence. The System class provides a basis for the majority of input and output for a program, though it is not limited to this. Try completing the assignment by using both methods of user input.

Part 1: Basic Input!

Program

For this first part, you will be using the `Scanner` class seen above for your input.

Requirements

First, use `System.out.print()` to ask the user what his/her name is. Then use Scanner to get the user's name. You will need to store it in a `String` variable and then use that variable to say hi to the user.

Notice!

...how you don't need to put a "\n" at the end of the print statement because the user presses the enter button when they are done with their input.

Example Output

```
Hi, what is your name? Nick
Hi Nick.
```

Part 2: Buffered Input!

Program

Now, add to what you already have. Use `System.out.print();` again for new your output and use the `BufferedReader` class this time for your input.

Requirements

Right at the end of what you completed for your last part, add on another question. I used 'How old are you' for mine but you can use whatever question you want. Once you add to the end start a `BufferedReader` like in the Background section and then output what the user told you.

Example Output

```
Hi, what is your name? Nick
Hi Nick. How old are you? 30
Good to know, you are 30.
```

BONUS: More `printf()`

Program

So now you know some information about your user. Continue asking them questions with either method you feel more comfortable with. (You can use the variable for the readers multiple times, you do not need to create a new Scanner for each input line.) Once you have a bunch of information from your user. Print up a summary of the information in a formatted way. See the example output for more of an idea.

Guidelines

:::TODO:::

Hints

:::TODO:::

Example Output

Console:

```
Hi, What is your name? Nick
Hi Nick. How old are you? 30
Good to know, so when is your birthday? November 24th, 1982
Cool! and how about where you live? Virginia
Nice place, you know anyone named steve? Nope
SUMMARY
Name          : Nick
Age           : 30
Birthday      : November 24th, 1982
Location      : Virginia
Knows Steve?  : Nope
```