



Maydm

Setup / First Java Lesson

Setup for First Java Lesson

We will begin writing snippets (short programs) of code to introduce you to the basic elements of Java. However, before we do that, let's setup our work directories using the Bash Shell.

Open Bash Shell

Creating Initial Directory

Be sure you are in the root directory by typing

```
$ cd
```

You will not type the dollar sign. The dollar sign indicates a new line in the terminal or bash shell. If you Google for help and find Stack overflow or other resources you'll often see a "\$" for terminal commands. You'll never enter the dollar sign. You know this because there is already a dollar sign in your bash shell. Take a look, it's right after your computer and user name.

Go to Documents directory

```
$ cd Documents
```

Tab to Shortcut

Did you type out “Documents” completely? You likely did not need to. The bash shell usually comes with a little shortcut that can help save time and brain memory. That shortcut is the “Tab” key on your keyboard. Try it

```
$ cd
```

```
$ Doc (then press tab to see if the shell completes “ument” for you)
```

Create a new Directory

Inside of the Documents folder:

```
.../Documents$ mkdir appetite_for_apps
```

```
$ cd app (press tab to make the shell complete "etite_for_apps")
```

```
$ mkdir java
```

```
$ cd java
```

```
$ mkdir lesson-1
```

```
$ cd lesson-1
```

In Case You Were Wondering...

Yes, you could have completed the previous slides' instructions in two statements. From Documents:

```
$ mkdir appetite_for_apps/java/lesson-1
```

```
$ cd appetite_for_apps/java/lesson-1
```

Often in programming, thinking ahead can save you time and typing.

In Case You Were Wondering...

Yes, you could have completed the previous slides' instructions in two statements. From Documents:

```
$ mkdir appetite_for_apps/java/lesson-1
```

```
$ cd appetite_for_apps/java/lesson-1
```

Often in programming, thinking ahead can save you time and typing. Keep organizational structure throughout your lessons for faster retrieval of past work.

You can guess where the lesson 1 files should be saved.

On to Lesson One!

Speaking of lesson 1...let's start coding!

Please Open the Maydm GitHub Repository and find the "first-exercises.txt" file inside appetite-for-apps/week-1/day-1/ directory.

Follow the instruction in the text document.

First Input Lesson

Great work writing your first Java program! It's really cool to see the computer display what you programmed it to, isn't it!

Let's learn how to make an input feature so users can write in their answers now.

Please Open the Maydm GitHub Repository and find the "input-lesson.txt" file inside `appetite-for-apps/week-1/day-1/` directory.

Follow the instruction in the text document.

Reflections

You've covered a lot of material in one day! Congratulations on your work so far. Let's take a moment to reflect on the day and your thoughts and feelings.

Writing Prompts:

- 1) What surprised you the most about programming today?
- 2) How do you think knowing how to program can help you accomplish small and big tasks?
- 3) Sometimes, programming can be difficult. Will you commit yourself to the next five weeks to learn Android Development and succeed in this program?