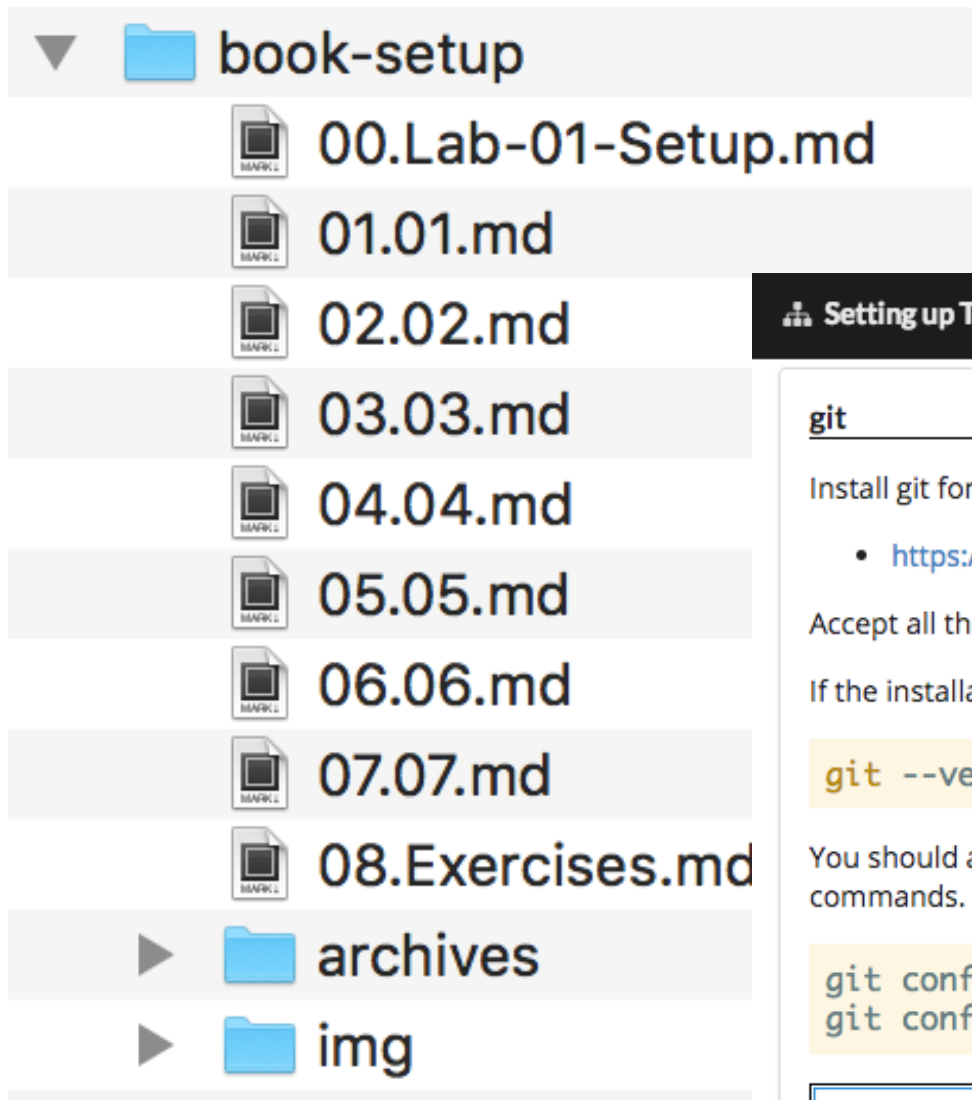




Labs

lab structure



one *md* file per step

Setting up Tutors

Lab-01-Setup 01 02 03 04 05 06 07 Exercises

git

Install git for your platform:

- <https://git-scm.com/downloads>

Accept all the default options if they are presented (usually just for Windows).

If the installation succeeded, then verify the version:

```
git --version
```

You should also set your username + email in git now. These are the identifiers which will be associated with subsequent git commands.

```
git config --global user.name "John Doe"
git config --global user.email johndoe@example.com
```

```
Command Prompt
C:\>git --version
git version 2.11.1.windows.1

C:\>git config --global user.name "Eamonn de Leastar"
C:\>git config --global user.email "edeleastar@wit.ie"
C:\>
```

markdown

a web (and user) friendly format for
composing digital content

text formatting

image

links

syntax highlighting

Heading 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Heading 2

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headings

Heading 1

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Heading 3

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lists

Sometimes you want numbered lists:

1. One
2. Two
3. Three

Sometimes you want bullet points:

- * Start a line with a star
- * Profit!

Alternatively,

- Dashes work just as well
- And if you have sub points, put two spaces before dash or star:
 - Like this
 - And this

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links

It's very easy to make some words ****bold**** and other words **italic** with Markdown.

You can even [insert a link](http://google.com)

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- [Bitbucket](http://bitbucket.com)
- [Github](http://github.com)

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- [Step 01](#/01)
- [Step 02](#/02)
- [Step 03](#/03)
- [Step 04](#/04)

- [Step 01](#)
- [Step 02](#)
- [Step 03](#)
- [Step 04](#)

images

Images

Image without a title:

Image with a title:

![Suspension Bridge](img/03.jpg)

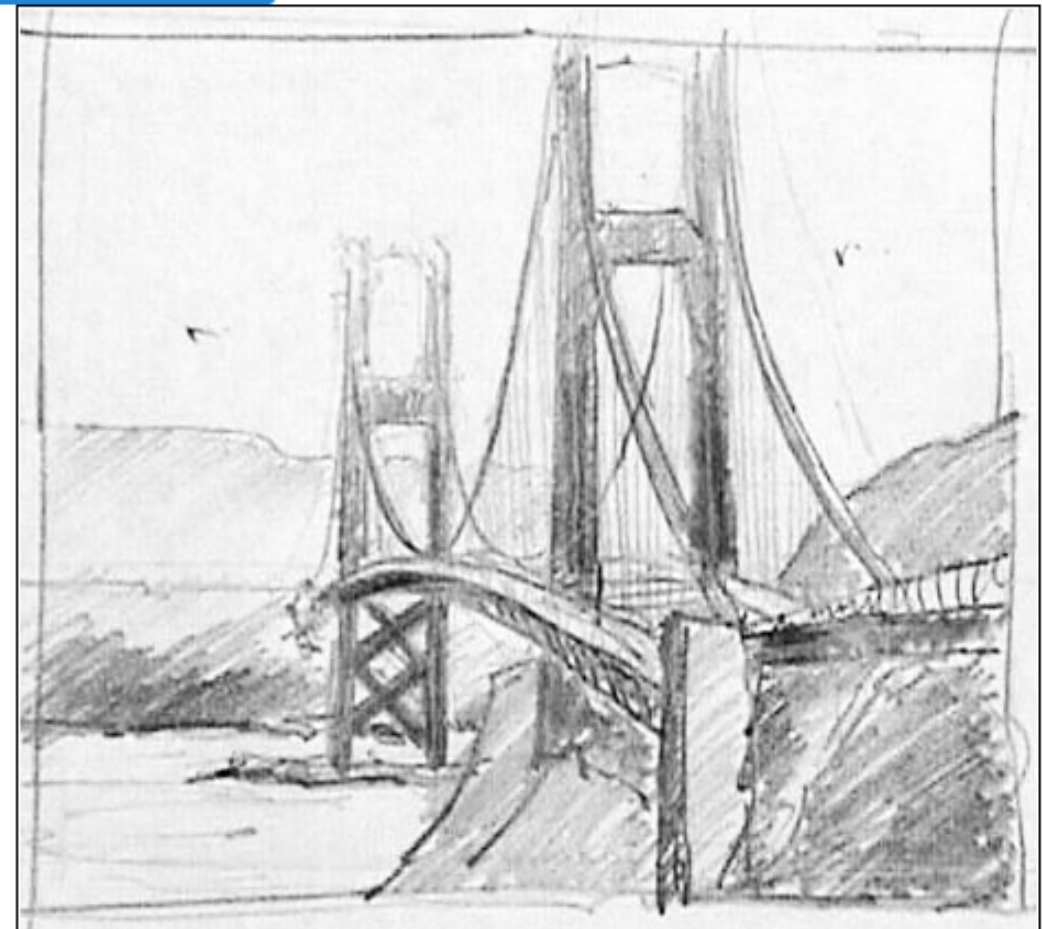
Images

Image without a title:



Image with a title:

Suspension Bridge



syntax highlighting

This should appear like this in your lab:

```
~~~
public class HelloWorld {
    public static void main(String[] args) {
        // Prints "Hello, World" to the terminal window.
        System.out.println("Hello, World");
    }
}
~~~
```

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```
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Another example:

```
~~~
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>My test page</title>
  </head>
  <body>
    <p>This is my page</p>
  </body>
</html>
~~~
```

Take the above code into your lab...

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```

Take the above code into your lab

MARKDOWN SYNTAX



Markdown is a way to style text on the web. You control the display of the document; formatting words as bold or italic, adding images, and creating lists are just a few of the things we can do with Markdown. Mostly, Markdown is just regular text with a few non-alphabetic characters thrown in, like # or *.

HEADERS

```
# This is an <h1> tag
## This is an <h2> tag
##### This is an <h6> tag
```

EMPHASIS

```
*This text will be italic*
_This will also be italic_

**This text will be bold**
__This will also be bold__

*You can combine them*
```

BLOCKQUOTES

```
As Grace Hopper said:

> I've always been more interested
> in the future than in the past.

As Grace Hopper said:

| I've always been more interested
| in the future than in the past.
```

LISTS

Unordered

```
* Item 1
* Item 2
  * Item 2a
  * Item 2b
```

Ordered

```
1. Item 1
2. Item 2
3. Item 3
  * Item 3a
  * Item 3b
```

IMAGES

```
![GitHub Logo](/images/logo.png)

Format: ![Alt Text](url)
```

LINKS

```
http://github.com - automatic!

[GitHub](http://github.com)
```

BACKSLASH ESCAPES

Markdown allows you to use backslash escapes to generate literal characters which would otherwise have special meaning in Markdown's formatting syntax.

```
\*literal asterisks\*

*literal asterisks*
```

Markdown provides backslash escapes for the following characters:

\ backslash	() parentheses
` backtick	# hash mark
* asterisk	+ plus sign
_ underscore	- minus sign (hyphen)
{ curly braces	. dot
[] square brackets	! exclamation mark

<https://guides.github.com/pdfs/markdown-cheatsheet-online.pdf>