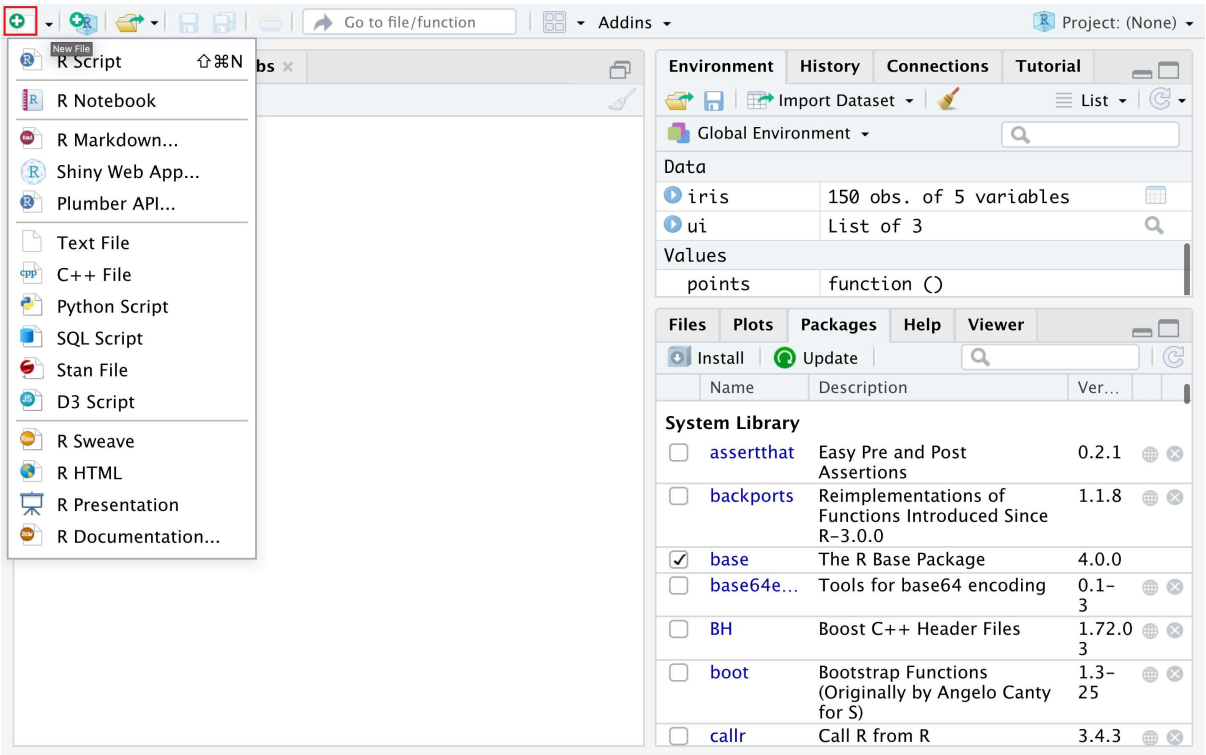
Getting started with RStudio and Installing packages

Objectives of Exercise:

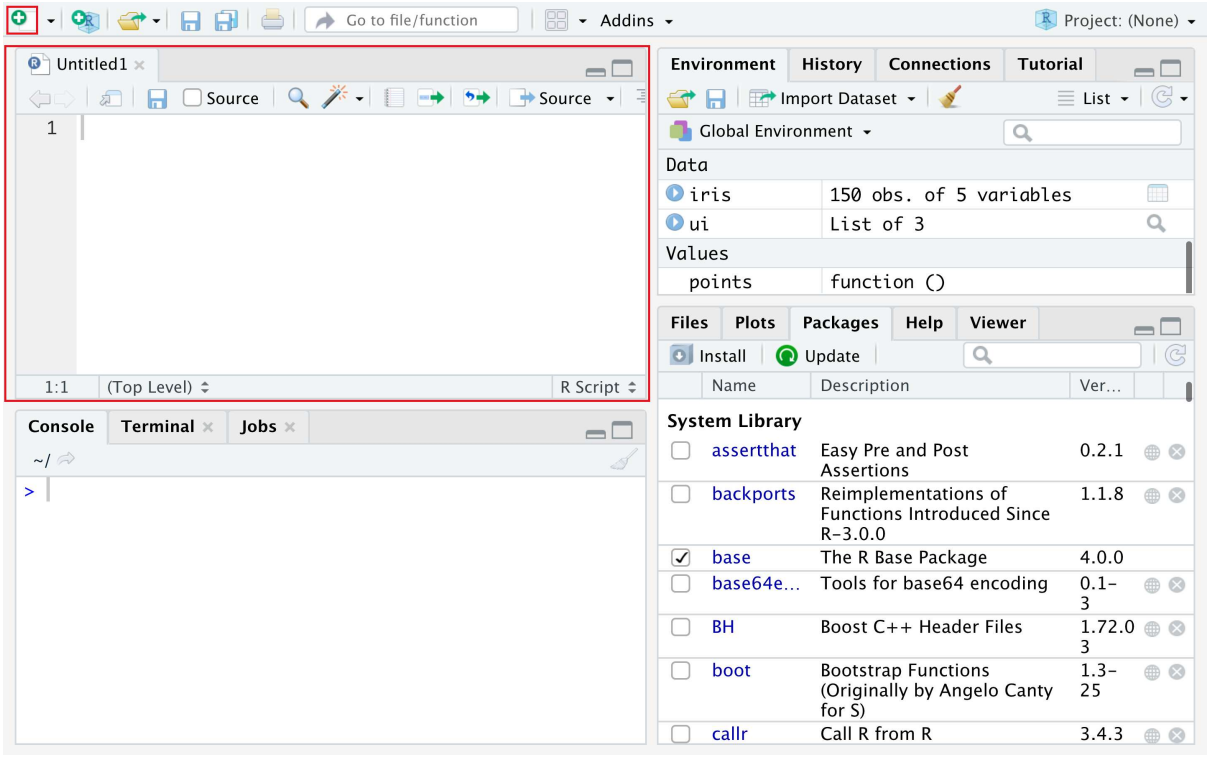
After completing this lab, you will be able to:

- Load the datasets
- Install libraries

Step 1 - Click the `plus` symbol on the top left and click `R Script`.



An untitled R Script panel opens. It would look like this.



Step 2 - Now you load the iris dataset. Enter the following lines into the editor window that appears. Then select all the text, and click Run just above the editor window.

```
1. 1
2. 2
3. 3

1. library (datasets)
2. data(iris)
3. View(iris)
```

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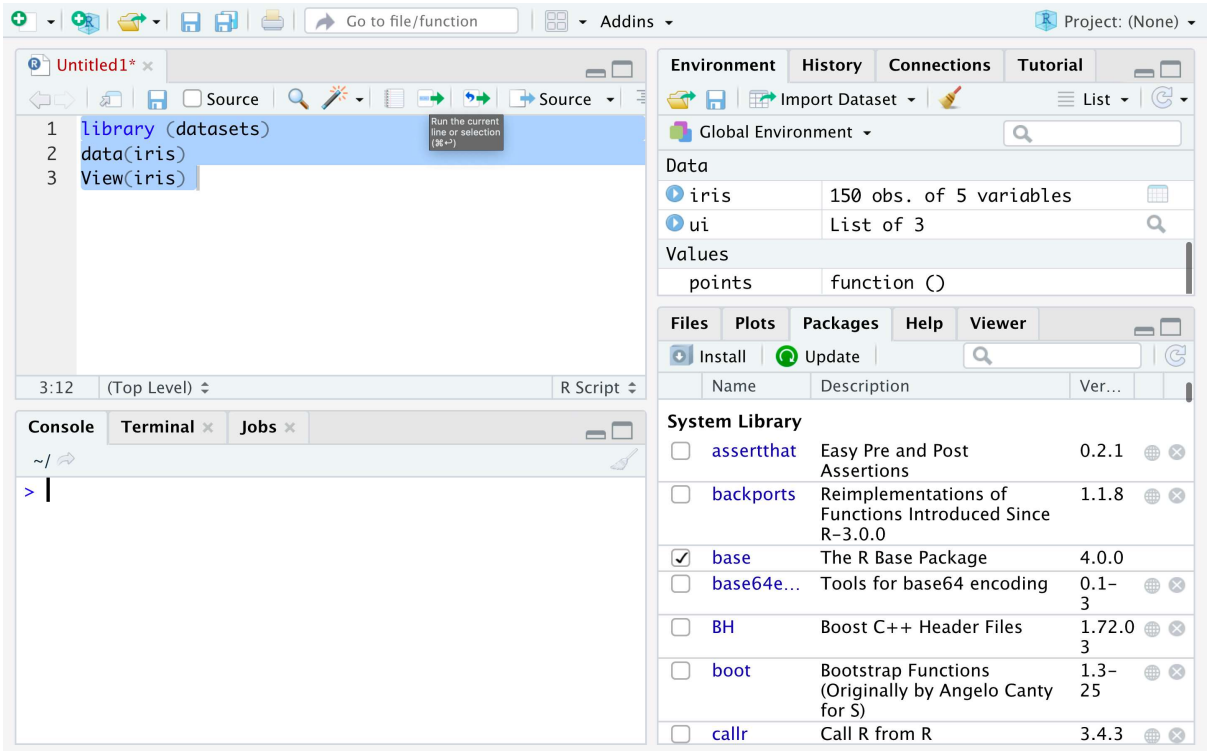
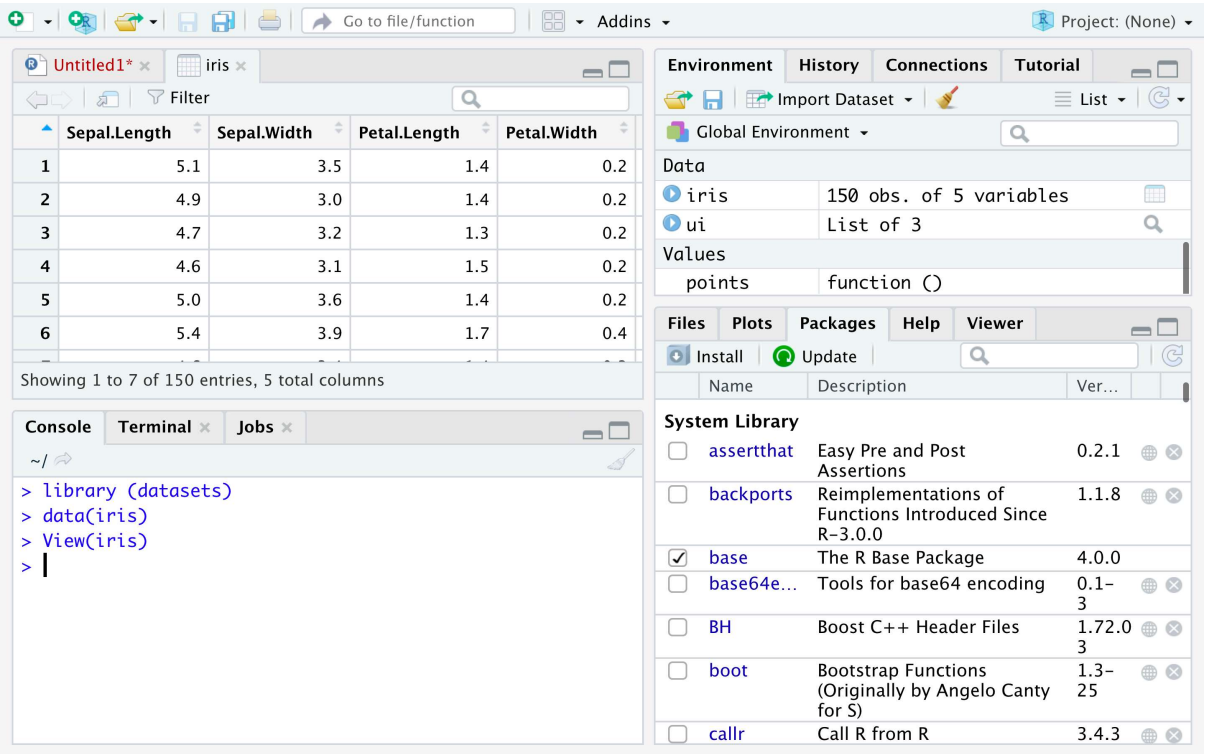


Step 3 - You are taken to the data view tab to inspect your dataset. The dataset contains five columns and the first four are floating point type while the last column is a label of data type string which contains the category value. You can see there are total 150 entries of which you can see the first 7.



Step 4 - Now you can find the different species present in the data set. Enter the following command in the editor window and click Run.

```
1. 1

1. unique(iris$Species)
```

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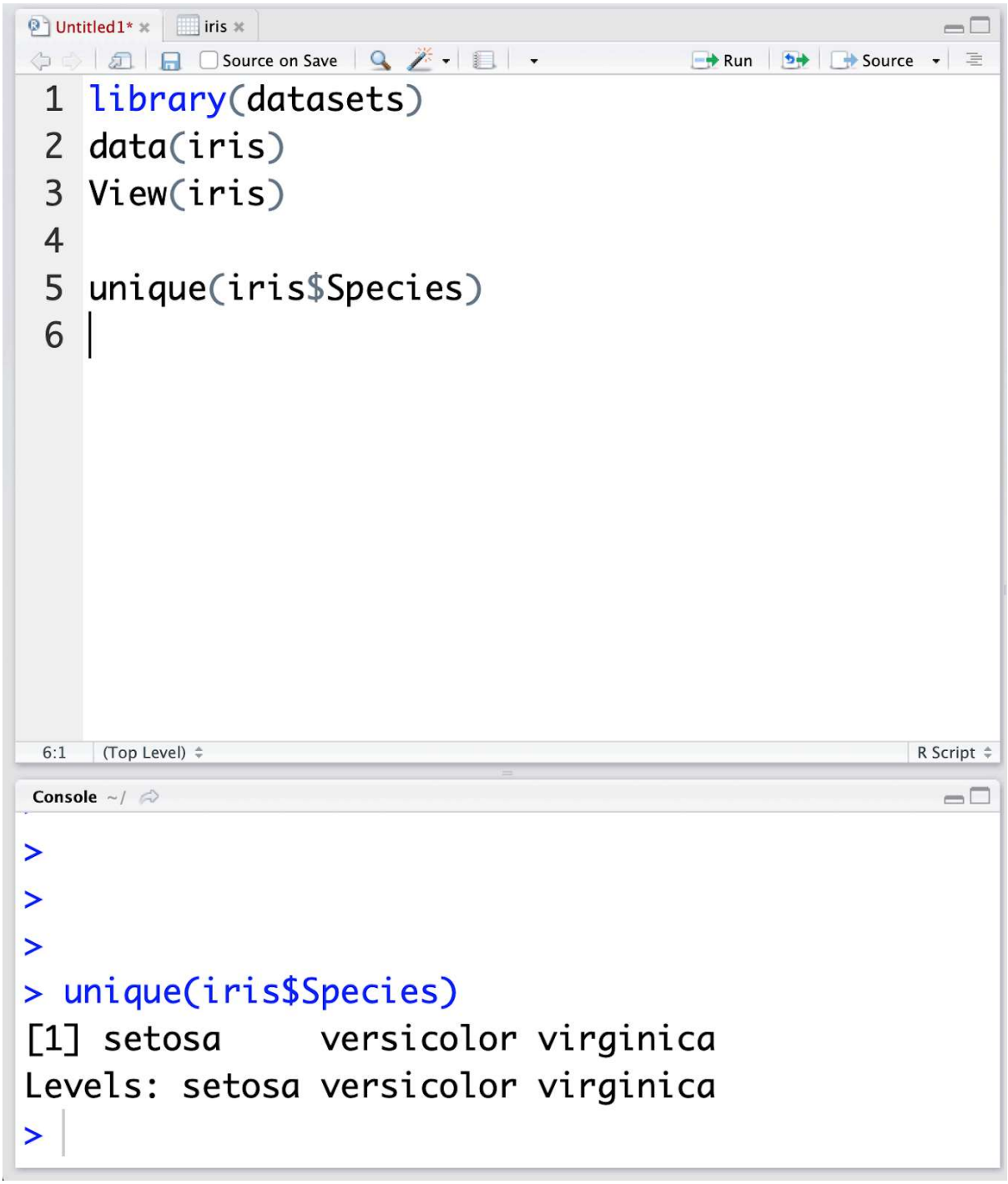
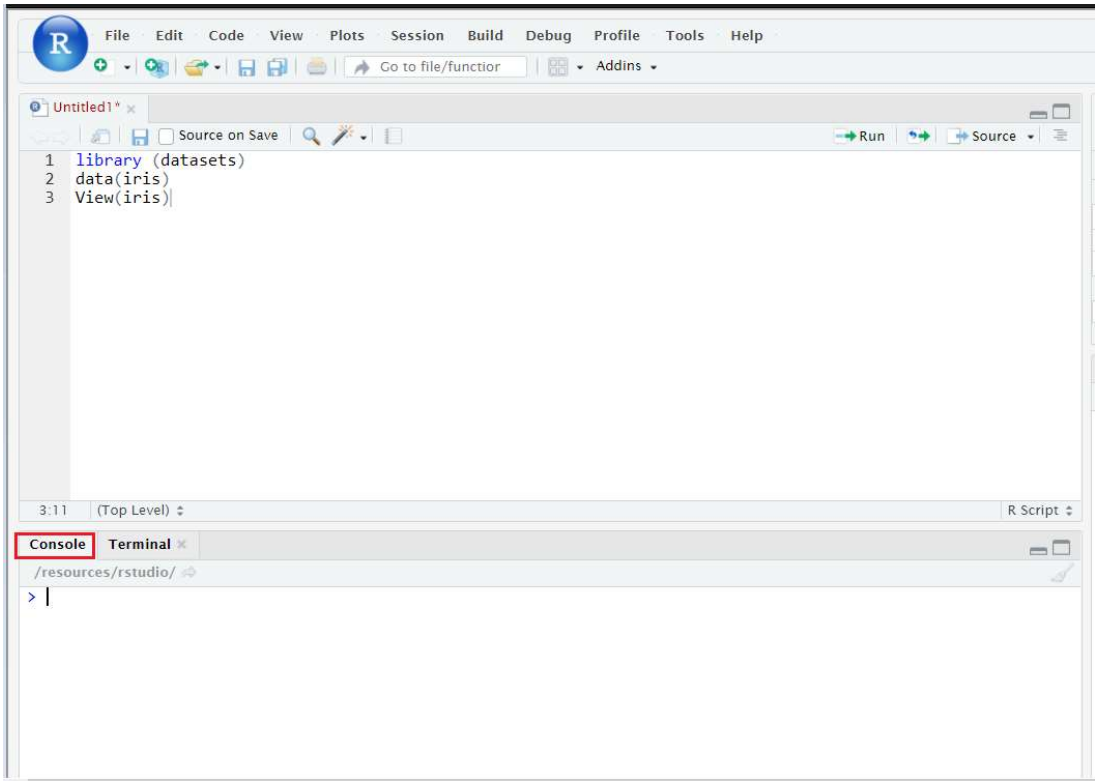


In the Console window at the bottom you can see the result of the executed command and know that there are only three different species present in the data set.

Step 5 - Next you will look into the data set in more detail. Open a Console.



Step 6 - Run the following command in the console.

```
1. 1
```

```
1. install.packages("GGally", repos = "https://cran.r-project.org", type = "source")
```

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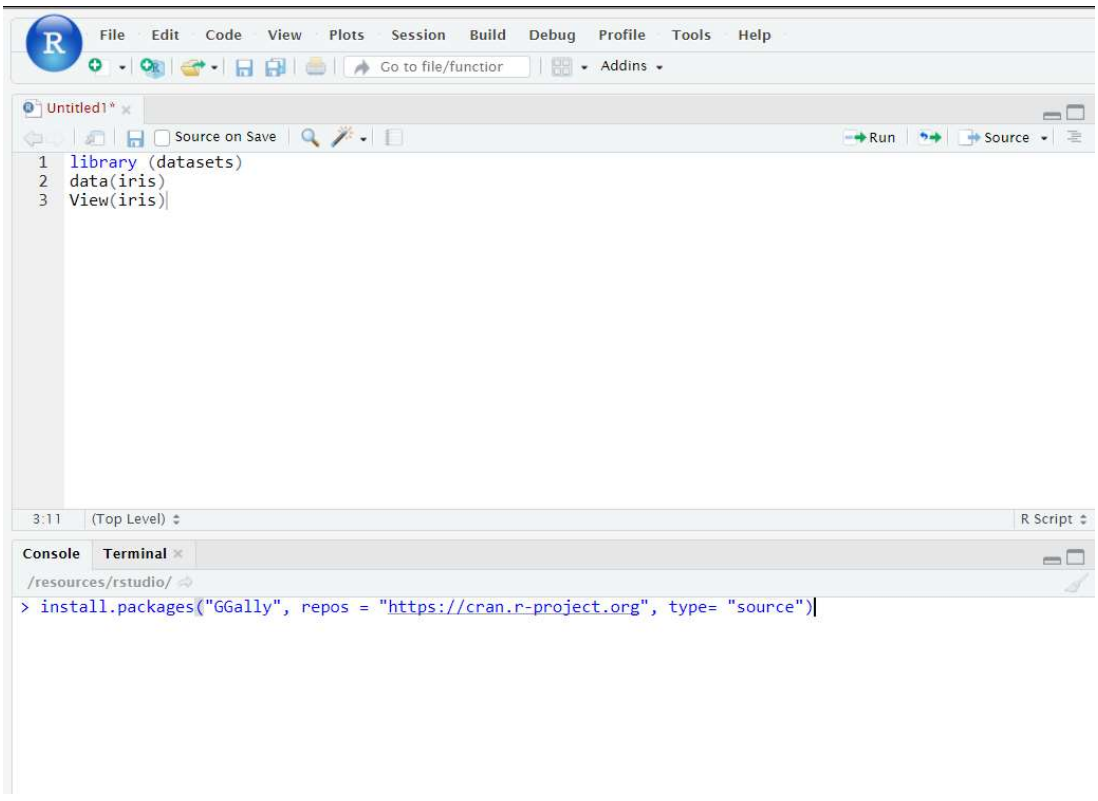

Step 7 - Click *Enter* to install the packages.

This concludes the lab; I hope you enjoyed it!

Author(s)

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Other Contributor(s)

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Change log

Date	Version	Changed by	Change Description
2023-07-09	3.0	Anita Verma	Changed to RStudio lab
2021-13-01	2.4	Malika Singla	Update the installation for R packages
2020-12-10	2.3	Aije	Moved plot steps to a new lab
2020-12-10	2.2	Malika Singla	Update the installation for R packages
2020-12-07	2.1	Aije	Changed instructions to use Skills Network Lab
2020-08-25	2.0	Lavanya	Migrated Lab to Markdown and added to course repo in GitLab