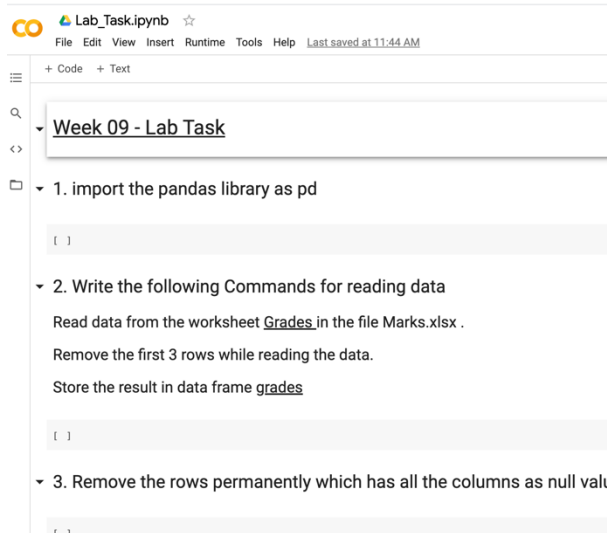# Lab Task Week 09-Part02

Objective:
- Upload a notebook file
- Upload data (Excel) file
- Read data from data file
- Clean the data.

Note: You need to download the files from BBLearn.
- Lab_Task.ipynb and
- Marks.xlsx

1. Open your google chrome browser
2. Go to the website https://colab.research.google.com/
3. Press the Sign in Button on top right and sign in to your google account.
4. Select upload notebook from the File menu and drag/drop the Lab_Task.ipynb file from your computer.
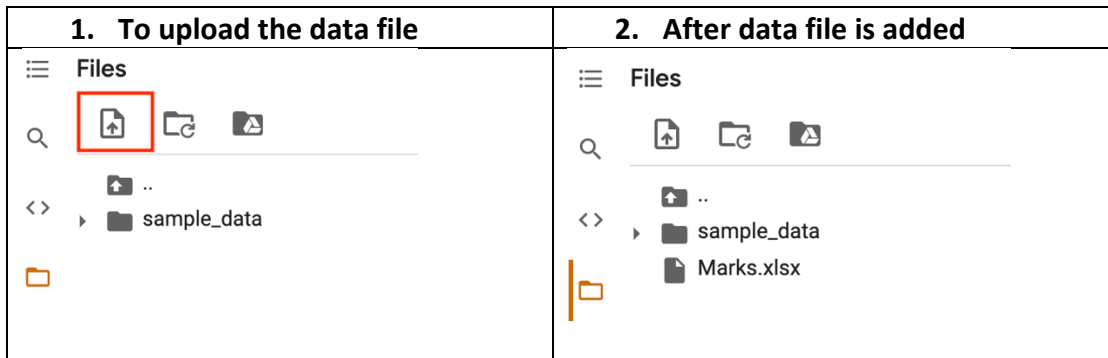

5. Click on the files option from the tool menu to add the data file.

Note: Wait till the runtime is connected to see the options of file.

6. Click on the upload option and choose the marks.xlsx to upload it with the project.
   Note: Uploaded files will get deleted when this runtime is recycled. You need to reupload it if runtime is recycled.

1. To upload the data file	2. After data file is added

7. Complete the below Lab Tasks and type the code in given space.

a.	Import the pandas library as pd
	```python import pandas as pd```
b.	Complete the following in one command. • Read data from the worksheet Grades in the file ***Marks.xlsx***. • Remove the first 3 rows while reading the data. • Store the result in data frame *grades*
	```python grades = pd.read_excel("Marks.xlsx",sheet_name="Grades",skiprows=3) grades```
c.	Remove the rows permanently which has all the columns as null value
	```python grades.dropna(how='all',inplace=True) grades```
d.	Replace all the null values to 0 permanently
	```python grades.fillna(0,inplace=True) grades```
e.	Change the column name ***ID*** (with one space after ID) to **ID** (without space) and ***Final*** to **FWA** permanently
	```python grades.rename(columns={"ID ":"ID","Final":"FWA"},inplace=True) grades```

8. Download the notebook to your local computer.