**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.



1. 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.

1. 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.

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| --- | --- |
| 1. **To upload the data file**
 | 1. **After data file is added**
 |
| Graphical user interface, application  Description automatically generated | Graphical user interface, application  Description automatically generated |

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

|  |  |
| --- | --- |
| a. | Import the pandas library 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* |
|  |  |
| c. | Remove the rows permanently which has all the columns as null value |
|  |  |
| d. | Replace all the null values to 0 permanently |
|  |  |
| e. | Change the column name ***ID*** (with one space after ID) to **ID** (without space) and ***Final*** to **FWA** permanently |
|  |  |

1. Download the notebook to your local computer.