**ClointFusion Training Task – 1**

Date: 30/Mar/2021

**Task:** Do the following excel operations on the given ‘Excel.xlsx’ using ClointFusion Functions.

**ETA: 02/Apr/2021 Time: 11:59 PM**

* Download & keep the ‘Excel.xlsx’ file in a specific folder named **‘OriginalDocuments**’ and develop the code accordingly that a new copy of ‘Excel.xlsx’ is automatically copied in the folder named **‘CreatedDocuments’.**
* Perform all the following operations on the copied excel file.

1. Get all the header columns.
2. Get Row & Column count.
3. Get all sheet names in the ‘Excel.xlsx’.
4. Remove the duplicate data w.r.t **‘ID’** column.
5. Sort the data w.r.t **‘OrderDate’** column.
6. Store the following data in a python dictionary and insert the data at the last row respectively.
   1. ID: 1027
   2. OrderDate: 4/14/2020
   3. Region: East
   4. Rep: Jones
   5. Item: Binder
   6. Units: 60
   7. UnitCost: 4.99
   8. Total: 449.1
7. Split the excel on row count ‘**12**’. (This will create multiple excel files named ‘Split’. Check the function arguments for further customization).
8. Create a python dictionary named ‘data’ such that it stores the ‘ID’ and ‘Units’ of each row data in the excel file.

**Explaination**: data = {‘ID’ : ‘Units’},

**Eg**: data = {

1015 : 2,

1016 : 16,

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}

(Look into the data in the excel file for more understanding.)

**Suggestions:**

* Go through the [ClointFusion-Labs](https://colab.research.google.com/github/ClointFusion/ClointFusion/blob/master/ClointFusion_Labs.ipynb) for a detailed documentation.
* Try to understand the backend code of each clointfusion function that you’re using. Source code is available in Github. (This helps you developing R&D skills and understanding the strategy/idea involved in solving a particular problem).
* Explore different modules of Python by searching on ‘Google’ / your favourite search engine.
* If you’re stuck somewhere do not hesitate to
  + Contact your mentor.
  + Post the doubt in the ‘mentees’ group.

**Useful Resources:**

* **ClointFusion Labs:** [ClointFusion-Labs](https://colab.research.google.com/github/ClointFusion/ClointFusion/blob/master/ClointFusion_Labs.ipynb)
* **ClointFusion GitHub Link:** [**https://github.com/ClointFusion/ClointFusion**](https://github.com/ClointFusion/ClointFusion)

**Thanks & Regards**

**Team ClointFusion.**