

Create a Jupyter notebook file with following tasks solution

1. Data Understanding & Exploration:

- A. Read 'TelcomCustomer-Churn_1.csv' as a DataFrame and assign it to a variable.
- B. Read 'TelcomCustomer-Churn_2.csv' as a DataFrame and assign it to a variable.
- C. Merge both the DataFrames on key 'customerID' to form a single DataFrame
- D. Verify if all the columns are incorporated in the merged DataFrame by using simple comparison Operator in Python.

2. Data Cleaning & Analysis:

- A. Impute missing/unexpected values in the DataFrame.
- B. Make sure all the variables with continuous values are of 'Float' type. [For Example: MonthlyCharges, TotalCharges]
- C. Create a function that will accept a DataFrame as input and return pie-charts for all the appropriate Categorical features. Clearly show percentage distribution in the pie-chart.

Hint: Sample code to get the pie chart

```
import matplotlib.pyplot as plt
labels = 'Frogs', 'Hogs', 'Dogs', 'Logs'
sizes = [15, 30, 45, 10]
```

```
fig, ax = plt.subplots()
ax.pie(sizes, labels=labels)
```

Documentation for Pie chart as follows:

https://matplotlib.org/stable/gallery/pie_and_polar_charts/pie_features.html#