**GIT hub link:**

[**https://github.com/baishalipatra/Team-1-python-charms.git**](https://github.com/baishalipatra/Team-1-python-charms.git)

**Python functions**

**New Functions**

1. Transpose ()
2. set \_hatch ().
3. Pivot ().
4. Stack () & unstack ().
5. Query ().

**Functions**

1. df. Head (3): This function is used to**print the first ‘n’ rows applying the Data frame.**
2. df. Groupby: is used for grouping the data according to the categories and applying a function to the categories.
3. PDpd.to\_datetime: This function converts a scalar, array-like, [**Series**](https://pandas.pydata.org/docs/reference/api/pandas.Series.html#pandas.Series), data frame/dict-like to a panda’s Date Time object.
4. np. Round () : This function is used to Round a Data Frame to a variable number of decimal places.
5. pd.read\_excel: Read an Excel file into a pandas Data Frame.
6. pd. Mere (): This method in pandas lets you do**SQL-type joins in pandas**.
7. Data frame: The function is used to count the values in a data frame
8. A NumPy values: sorting the data frame values ascending or descending, in order
9. N p.an array: create NumPy array

df set index (): is a method to set a List, Series, or Data frame index of a Data Frame

1. Plot (): This method is used for generating graphical representations of the data for easy understanding and optimized processing.
2. Mean ():  THIS function is used to get the meaning of the values over the pairing plot axis in pandas.
3. df. dt.das: Number of days for each element.
4. Sns pair plot (): To plot to multiply pairwise bivariate distributions in a dataset, you can use the pair plot () function.
5. plt. Show (): Make plots of Series or Data Frames.

str. Split (): it can be used the d with split to get the desired part of the string.

1. str. len():  is used todetermine the length NumPych string in a Pandas series.
2. dt. year: Pandas Series.dt.year attribute returns a NumPy array containing the year of the DateTime in the underlying data of the given series object.
3. ps. sqldf: using this function you can query a data frame using SQL syntax
4. Use arrays & loops for calculation.
5. Arrays slicing.
6. Date time function
7. LOC () & ILOC ().
8. Groupby ()
9. Merge ()
10. Concat ()
11. List ()
12. Mathematical function
13. Aggregate ()
14. Print ()
15. Len ()
16. Type ()
17. Str ()
18. List ()
19. Int ()
20. Float ()
21. Range ()
22. Abs ()