# PROJECT DEVELOPMENT PHASE

# **SPRINT 1**

Date	04 NOVEMBER 2022
Team ID	PNT2022TMID29098
Project Name	Corporate Employee Attrition Analysis

# **SOURCE CODE:**

It is with the understanding of the given set if datasets and fetching the data and cleaning the data with the provided three set of datasets.

These are the results for the various datasets provided:

# 1. General Data CSV file:

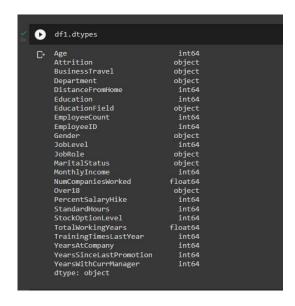
☐ To fetch the dataset,

df1=pd.read\_csv('general\_data.csv')

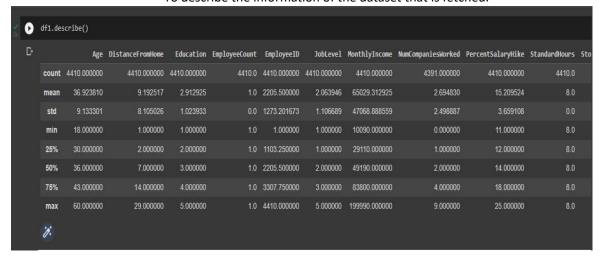
# To view the data by df1



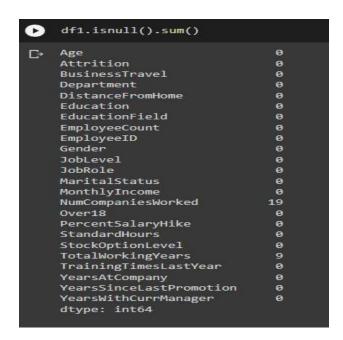
To view the various datatypes of the respected columns given in the dataset that is been loaded to the df1.



To describe the information of the dataset that is fetched.



To check the null values if present:



Here there are some null values in the number of Companies worked that are cleaned and the data after cleaning is referred as;

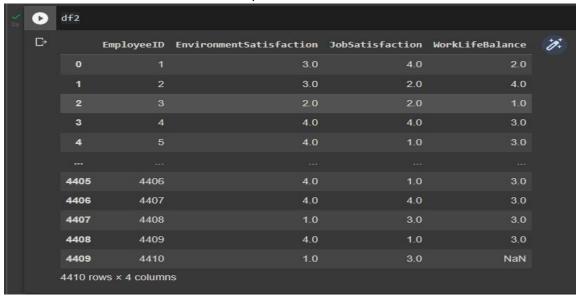
After the correction there is no null values left and the data is cleaned.

# 2. Employee Survey Data CSV file:

To fetch the dataset,

df2 = pd.read\_csv('employee\_survey\_data.csv')

To view the data by df2



To view the various datatypes of the respected columns given in the dataset that is been loaded to the df1.

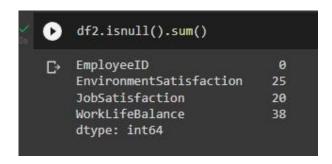
```
[25] df2.dtypes

EmployeeID int64
EnvironmentSatisfaction float64
JobSatisfaction float64
WorkLifeBalance float64
dtype: object
```

To describe the information of the dataset that is fetched.

### [23] df2.describe() EmployeeID EnvironmentSatisfaction JobSatisfaction WorkLifeBalance count 4410.000000 4390.000000 4372.000000 4385.000000 mean 2205.500000 2.723603 2.728246 2.761436 1273.201673 1.092756 1.101253 0.706245 std 1.000000 1.000000 1.000000 1.000000 min 25% 1103.250000 2.000000 2.000000 2.000000 2205.500000 3.000000 50% 3.000000 3.000000 75% 3307.750000 4.000000 4.000000 3.000000 4410.000000 4.000000 4.000000 4.000000 max

To check the null values if present:



Here there are some null values in the number of Companies worked that are cleaned and the data after cleaning is referred as;



After the correction there is no null values left and the data is cleaned.

# 3. Manager Survey Data CSV file:

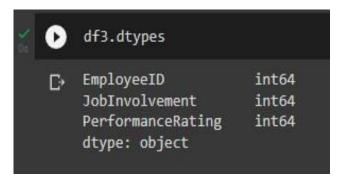
To fetch the dataset,

```
df3=pd.read_csv('manager_survey_data.csv')
```

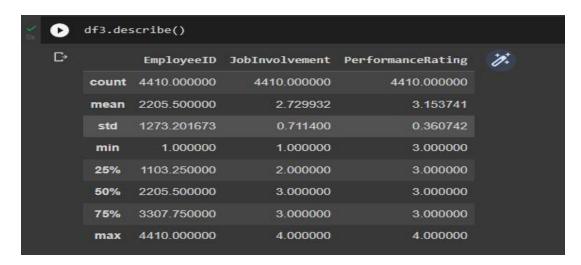
To view the data by df3



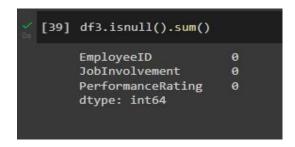
To view the various datatypes of the respected columns given in the dataset that is been loaded to the df1.



To describe the information of the dataset that is fetched.



To check the null values if present:



As there is no null values in the columns of the dataset the data fetched is already cleaned.