ASSIGNMENT 1

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TASK 1:

Create a pandas dataframe (DataFrame name as 'df') (10 observation and 5 features)

Task- 2 Check the info of 'df'

Task 3- Check the descriptive statistics of 'df'

Task 4- check the 4th index observation with 'loc' slicing operator.

Task 5 - Check the null values in your 'df'

PROGRAM:

OUTPUT:

```
C:\Users\prana\PycharmProjects\pythonProject1\venv\Scripts\p
Info of 'df':
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 10 entries, 0 to 9
Data columns (total 5 columns):
    Column Non-Null Count Dtype
    Feature1 10 non-null
                           float64
    Feature2 10 non-null
                           int32
    Feature3 10 non-null
2
                            object
   Feature4 10 non-null
                           float64
4 Feature 10 non-null float 64
dtypes: float64(3), int32(1), object(1)
memory usage: 488.0+ bytes
None
Descriptive statistics of 'df':
       Feature1 Feature2 Feature4 Feature5
count 10.000000 10.000000 10.000000 10.000000
mean 0.244161 53.800000 0.472278 3.966208
std 0.194795 29.954781 1.172794 1.733468
min 0.033881 13.000000 -0.924877 1.004526
25% 0.074794 26.250000 -0.223234 2.733735
     0.227942 54.000000 -0.038495 4.362205
50%
75%
     0.307157 80.500000 1.369415 5.121486
max
       0.621329 91.000000 2.475029
                                    6.243634
```

```
4th index observation:
Feature1 0.266326
Feature2
          91
Feature3
Feature4 -0.924877
Feature5 4.455156
Name: 4, dtype: object
Null values in 'df':
Feature1
Feature2 0
Feature3
         0
Feature4 0
Feature5 0
dtype: int64
Process finished with exit code 0
```