LAB SHEET 3

Date of assignment- 10th September 2024

Date of submission- 17th September 2024

AIM: To identify missing values for a given attribute from a csv file. Replace the missing value by 0, mean, and mode using Python.

CODE-

```
import pandas as pd

df = pd.read_csv('stud.csv')

attribute = 'Temperature (°C)'

df_zero = df.fillna(0)

df_mean = df.fillna(df[attribute].mean())

df_mode = df.fillna(df[attribute].mode().iloc[0])

print("Replaced missing values with 0:")

print(df_zero.head())

print("Replaced missing values with mean:")

print(df_mean.head())

print("Replaced missing values with mode:")

print(df_mode.head())
```

OUTPUT-

Replaced missing values with 0:

	Date	Location	Temperature (°C)
0	2024-09-14	New York	22.0
1	2024-09-14	London	18.0
2	2024-09-14	Tokyo	0.0
3	2024-09-15	New York	20.0
4	2024-09-15	London	0.0

Replaced missing values with mean:

	Date	Location	Temperature (°C)

```
0  2024-09-14  New York           22.0
1  2024-09-14   London            18.0
2  2024-09-14    Tokyo            21.5
3  2024-09-15  New York           20.0
4  2024-09-15   London            21.5
```

Replaced missing values with mode:

```
       Date  Location  Temperature (°C)
0  2024-09-14  New York           22.0
1  2024-09-14   London            18.0
2  2024-09-14    Tokyo            18.0
3  2024-09-15  New York           20.0
4  2024-09-15   London            18.0
```