Name: Esha Asif
Roll number:034
Section:BSAI-3A
Subject:AI LAB
Task 9

Task 1: Choose any Dataset (csv/json) from Kaggle and apply the following:
- Data Loading / Reading
- Data exploration

```python
# import pandas as pd

# #data load
# file_path ='tested.csv'
# data =pd.read_csv(file_path)

# #data exploration
# print("first five rows of the dataset")
# print(data.head())

# print("\ndataset information")
# print(data.info())

# print("\ndescriptive stats for numerical columns")
# print(data.describe())


# print("\nmissing values in each column")
# print(data.isnull().sum())
```

```
first five rows of the dataset
   PassengerId  Survived  Pclass  \
0          892         0       3
1          893         1       3
2          894         0       2
3          895         0       3
4          896         1       3

                                             Name     Sex   Age  SibSp  Parch  \
0                               Kelly, Mr. James    male  34.5      0      0
1               Wilkes, Mrs. James (Ellen Needs)  female  47.0      1      0
2                      Myles, Mr. Thomas Francis    male  62.0      0      0
3                               Wirz, Mr. Albert    male  27.0      0      0
4  Hirvonen, Mrs. Alexander (Helga E Lindqvist)  female  22.0      1      1

    Ticket     Fare Cabin Embarked
0   330911   7.8292   NaN        Q
1   363272   7.0000   NaN        S
2   240276   9.6875   NaN        Q
3   315154   8.6625   NaN        S
4  3101298  12.2875   NaN        S

dataset information
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 418 entries, 0 to 417
...
Fare              1
Cabin           327
Embarked          0
dtype: int64
```