## **DATA MANIPULATION**

```
#Name : Akanksha Chandramohan Giri
           #Roll no : 41
           #Secton : 3A
           #Date : 24/08/2024
           #Aim : To perform operation on Data manipulation
           import pandas as pd
 In [4]:
           import os
 In [5]: os.getcwd()
           'C:\\Users\\HP'
          os.chdir("C:\\Users\\HP\\Desktop")
          df=pd.read_csv("titanic.csv")
In [12]: df
                pclass survived
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                                                                                                      ticket
                                                                                                                        cabin
                                                                                                                              embarked boat
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          1310 rows × 14 columns
In [13]: df.head()
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          df.tail()
In [14]:
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Out[14]:
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          df.info()
           <class 'pandas.core.frame.DataFrame'>
           RangeIndex: 1310 entries, 0 to 1309
           Data columns (total 14 columns):
                            Non-Null Count Dtype
           # Column
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           0
                pclass
                            1309 non-null float64
                survived 1309 non-null float64
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                sex
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                fare
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           9
                cabin
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            11 boat
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            12 body
                            121 non-null
                                               float64
           13 home.dest 745 non-null
                                               object
           dtypes: float64(7), object(7)
           memory usage: 143.4+ KB
In [16]: df.describe()
Out[16]:
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                    0.837836
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In [17]: df.shape
Out[17]: (1310, 14)
In [18]: df.size
Out[18]: 18340
In [19]: df.ndim
Out[19]: 2
In [20]: df.columns
          Index(['pclass', 'survived', 'name', 'sex', 'age', 'sibsp', 'parch', 'ticket',
                   'fare', 'cabin', 'embarked', 'boat', 'body', 'home.dest'],
                 dtype='object')
In [21]: df.drop(labels='age',axis=1)
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                pclass survived
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In [ ]