

```
import numpy as np
import pandas as pd
from google.colab import drive
drive.mount('/content/drive')
p1 = '/content/drive/MyDrive/Colab·Notebooks/PONNURI·ANIRUDDHA·(RA2112704010015)··train.csv'
data = pd.read_csv(p1)
```

Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount("/co

```
#To count the number of rows and columns of a DataFrame
print("Number of Rows:--",data.shape[0])
print("Number of Columns:--",data.shape[1])
```

```
Number of Rows:-- 891
Number of Columns:-- 12
```

```
#To display the descriptive statistics of a DataFrame.  
data.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 891 entries, 0 to 890
Data columns (total 12 columns):
#   Column                Non-Null Count  Dtype
---  -
0   PassengerId           891 non-null    int64
1   Survived              891 non-null    int64
2   Pclass                891 non-null    int64
3   Name                  891 non-null    object
4   Sex                   891 non-null    object
5   Age                   714 non-null    float64
6   SibSp                 891 non-null    int64
7   Parch                 891 non-null    int64
8   Ticket                891 non-null    object
9   Fare                  891 non-null    float64
10  Cabin                 204 non-null    object
11  Embarked              889 non-null    object
dtypes: float64(2), int64(5), object(5)
memory usage: 83.7+ KB
```

```
#To get the first 4 rows of a given DataFrame.
data.head(4)
```

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin
0	1	0	3	Braund, Mr. Owen Harris	male	22.0	1	0	A/5 21171	7.2500	Na
				Cumings, Mrs. John Bradley	female	35.0	1	0	S/4 16342	53.1000	C123

```
#To select the rows where the score is missing, i.e. is NaN.
print(data.isnull())
```

[illegible]

1	False	False	False	False	False	False	False	False	False
2	False	False	False	False	False	False	False	False	False
3	False	False	False	False	False	False	False	False	False
4	False	False	False	False	False	False	False	False	False
..
886	False	False	False	False	False	False	False	False	False
887	False	False	False	False	False	False	False	False	False
888	False	False	False	False	False	True	False	False	False
889	False	False	False	False	False	False	False	False	False
890	False	False	False	False	False	False	False	False	False

	Fare	Cabin	Embarked
0	False	True	False
1	False	False	False
2	False	True	False
3	False	False	False
4	False	True	False
..
886	False	True	False
887	False	False	False
888	False	True	False
889	False	False	False
890	False	True	False

[891 rows x 12 columns]

```
#Select the specified columns and rows from a given data frame.
print(data.iloc[[1,2,3,4,5],[2,3,4,6,7,8]])
```

	Pclass	Name	Sex	SibSp	\
1	1	Cumings, Mrs. John Bradley (Florence Briggs Th...	female	1	
2	3	Heikkinen, Miss. Laina	female	0	
3	1	Futrelle, Mrs. Jacques Heath (Lily May Peel)	female	1	
4	3	Allen, Mr. William Henry	male	0	
5	3	Moran, Mr. James	male	0	

	Parch	Ticket
1	0	PC 17599
2	0	STON/O2. 3101282
3	0	113803
4	0	373450
5	0	330877

✓ 0s completed at 11:45 AM

