```
import pandas as pd
house=pd.read_csv("/content/sample_data/california_housing_test.csv")
house
```

```
  house.head(10)
```

```
house.tail()
```

```
pd.options.display.max_rows=3000
house
```

```
house.isna().sum()
```

```
house=house.dropna()
```

```
house.describe()
```

```
house.info()
```

```
house.shape
```

```
     (3000, 9)
```

```
import pandas as pd
social=pd.read_csv("/content/drive/MyDrive/Social_Network_Ads.csv")
social
```

```
new=social.copy()
new
```

```
social=social.drop('Gender',axis=1)
```

```
new.columns
```

```
social.columns
```

```
new.info()
```

```
new.describe()
```

```
new[['Gender','Age']].value_counts()
```

```
new['Age'].unique()
```

```
new['Age'].nunique()
```

```
     43
```

```
new.sort_values('Age')
```

```
new.sort_values('Age',ascending=False)
```

```
new.sort_values(['Age','EstimatedSalary'],ascending=False)
```

```
new.describe(include='all')
```

```
new.T
```

```
import pandas as pd
titanic = pd.read_csv('https://github.com/YBI-Foundation/Dataset/raw/main/Titanic.csv')
```

```
titanic.info()
```

```
titanic.columns
```

```
titanic.name
```

```
type(titanic.name)
```

```
titanic['name']
```

```
name=titanic['name']
name
```

```
type(name)
```

```
name.shape
```

```
name=titanic[['name']]
name
```

```
type(name)
```

```
name.shape
```

```
titanic.iloc[100,:]
```

```
titanic.loc[100,:]
```

```
titanic.iloc[:,[2,8]]
```

```
titanic.loc[:,['name','fare']]
```

```
titanic.loc[[50,25,15],['pclass','fare','age']]
```

```
titanic.iloc[[50,25,15],[0,8,4]]
```

```
titanic.loc[10:25,['pclass','fare','age']]
```

```
titanic.iloc[10:26,[0,8,4]]
```

```
titanic.loc[10:25,'pclass':'age']
```

```
titanic.iloc[10:16,0:5]
```

```
titanic[titanic['age']>=35]
```

```
titanic.loc[(titanic['age']>=35),'pclass':'age']
```

```
titanic.loc[(titanic['age']>=35)&(titanic['sex']=='female')]
```

```
import pandas as pd
tips=pd.read_csv('https://github.com/YBI-Foundation/Dataset/raw/main/Tips.csv')
tips
```

```
tips.head()
```

```
tips['tip']/tips['total_bill']*100
```

```
tip_percentage=tips['tip']/tips['total_bill']*100
tip_percentage.round(1)
```

```
tips['tips_percentage']=tips['tip']/tips['total_bill']*100
tips.head()
```

```
tips=tips.drop(['sex'],axis=1)
```

```
tips.head()
```

```
tips.set_index('total_bill')
```

```
tips.head()
```

```
tips=tips.set_index('tip')
```

```
tips.head()
```

```
tips=tips.reset_index()
```