▾ MACHINE LEARNINIG

1.Simple Linear Regression

Step-1 Import Libraries

```
import numpy as np
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
import sklearn
```

▾ Step-2

```
df=pd.read_csv("salary_data.csv")
df.head()
```

	YearsExperience	Salary
0	1.1	39343
1	1.3	46205
2	1.5	37731
3	2.0	43525
4	2.2	39891

```
X=df[["YearsExperience"]]
y=df["Salary"]
```

▾ Step-4 Making Linear Regression

```
from sklearn.linear_model import LinearRegression
model=LinearRegression()
```

```
model = model.fit(X,y)
model
```

```
▾ LinearRegression
LinearRegression()
```

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