```python
In [1]: import pandas as pd
        import numpy as np
        import matplotlib.pyplot as plt
        import seaborn as sns
```

```python
In [3]: data=pd.read_csv(r"E:\AlmaBetter\2. Machine Learning\Projects\Machine Learning Projects\1. Regression Projects\
```

```python
In [5]: data.head()
```

Out[5]:

	YearsExperience	Salary
0	1.1	39343.0
1	1.3	46205.0
2	1.5	37731.0
3	2.0	43525.0
4	2.2	39891.0

```python
In [21]: x=data['YearsExperience'].values.reshape(-1,1)
         y=data['Salary'].values.reshape(-1,1)
```

```python
In [23]: from sklearn.model_selection import train_test_split
         x_train,x_test,y_train,y_test=train_test_split(x,y,test_size=0.2)
```

```python
In [24]: from sklearn.linear_model import LinearRegression
```

```python
In [25]: model=LinearRegression()
```

```python
In [37]: model.fit(x_train,y_train)
         model.predict(x_test)
```

Out[37]:
```
array([[107887.74616419],
       [ 60493.84734384],
       [116418.64795185],
       [110731.38009341],
       [ 92721.69854167],
       [ 82295.0408012 ]])
```

```python
In [38]: model.score(x_train,y_train)
```

Out[38]: 0.9568807217701099

```python
In [40]: model.score(x_test,y_test)
```

Out[40]: 0.8931638942771537

```python
In [43]:
```

```python
In [ ]:
```

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