```
import pandas as pd
```

```
salary = pd.read_csv('https://github.com/ybifoundation/Dataset/raw/main/Salary%20Data.csv')
```

```
salary.columns
```

```
Index(['Experience Years', 'Salary'], dtype='object')
```

```
y = salary['Salary']
```

```
X = salary[['Experience Years']]
```

```
from sklearn.model_selection import train_test_split
X_train, X_test, y_train, y_test = train_test_split(X,y, train_size=0.7, random_state=2529)
```

```
X_train.shape, X_test.shape, y_train.shape, y_test.shape
```

```
((28, 1), (12, 1), (28,), (12,))
```

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

```
model.fit(X_train,y_train)
```

```
LinearRegression
LinearRegression()
```

Saved successfully!

```
model.coef_
```

```
array([9405.61663234])
```

```
y_pred = model.predict(X_test)
```

```
y_pred
```

```
array([ 90555.15441095,  59516.61952424, 106544.70268592,  64219.42784041,
        68922.23615658, 123474.81262412,  84911.78443155,  63278.86617718,
        65159.98950364,  61397.74285071,  37883.70126987,  50111.00289191])
```

```
from sklearn.metrics import mean_absolute_error, mean_absolute_percentage_error, mean_squared_error
```

```
mean_absolute_error(y_test,y_pred)
```

```
4005.9263101681768
```

```
mean_absolute_percentage_error(y_test,y_pred)
```

```
0.06384602996141632
```

```
mean_squared_error(y_test,y_pred)
```

```
24141421.671440993
```

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