```
#importing the libraries
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
```

```
#importing the dataset
data = pd.read_csv('/content/drive/MyDrive/DataSet/Salary_Data.csv')
X = data.iloc[:, :-1].values
y = data.iloc[:, 1].values
```

```
#Splitting the dataset into the Training Set and Test Set
from sklearn.model_selection import train_test_split
from sklearn.linear_model import  LinearRegression
X_train, X_test,y_train,y_test = train_test_split(X,y,test_size = 1/3,random_state=0)
```

```
#fitting simple Linear Regression to the Training Set
from sklearn.linear_model import LinearRegression
regressor = LinearRegression()
regressor.fit(X_train, y_train)
```

```
LinearRegression()
```

```
# Predicting the Test set results
y_pred = regressor.predict(X_test)
```

```
# Visualising the Training set results
plt.scatter(X_train, y_train, color = 'pink')
plt.plot(X_train, regressor.predict(X_train), color = 'Purple')
plt.title('Salary vs Experience (Training set)')
plt.xlabel('Years of Experience')
plt.ylabel('Salary')
plt.show()
```

```
# Visualising the Test set results
plt.scatter(X_test, y_test, color = 'pink')
plt.plot(X_train, regressor.predict(X_train), color = 'Purple')
plt.title('Salary vs Experience (Test set)')
plt.xlabel('Years of Experience')
plt.ylabel('Salary')
plt.show()
```

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