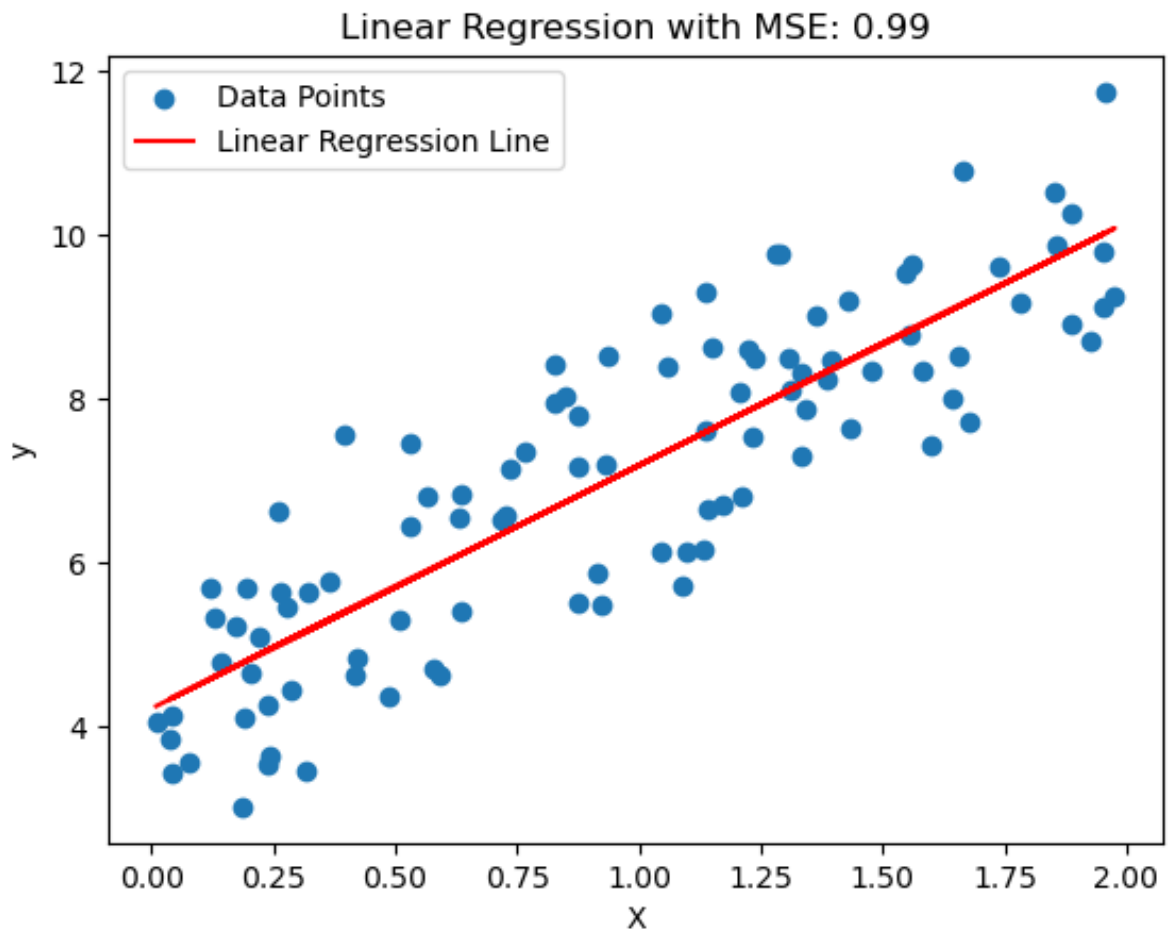


```
In [6]: # Plot the data and the linear regression line
plt.scatter(X, y, label='Data Points')
plt.plot(X, y_pred, color='red', label='Linear Regression Line')
plt.title(f'Linear Regression with MSE: {mse:.2f}')
plt.xlabel('X')
plt.ylabel('y')
plt.legend()
plt.show()
```



```
In [7]: # Display the calculated MSE
print(f'Mean Squared Error (MSE): {mse:.2f}')
```

Mean Squared Error (MSE): 0.99

```
In [ ]:
```