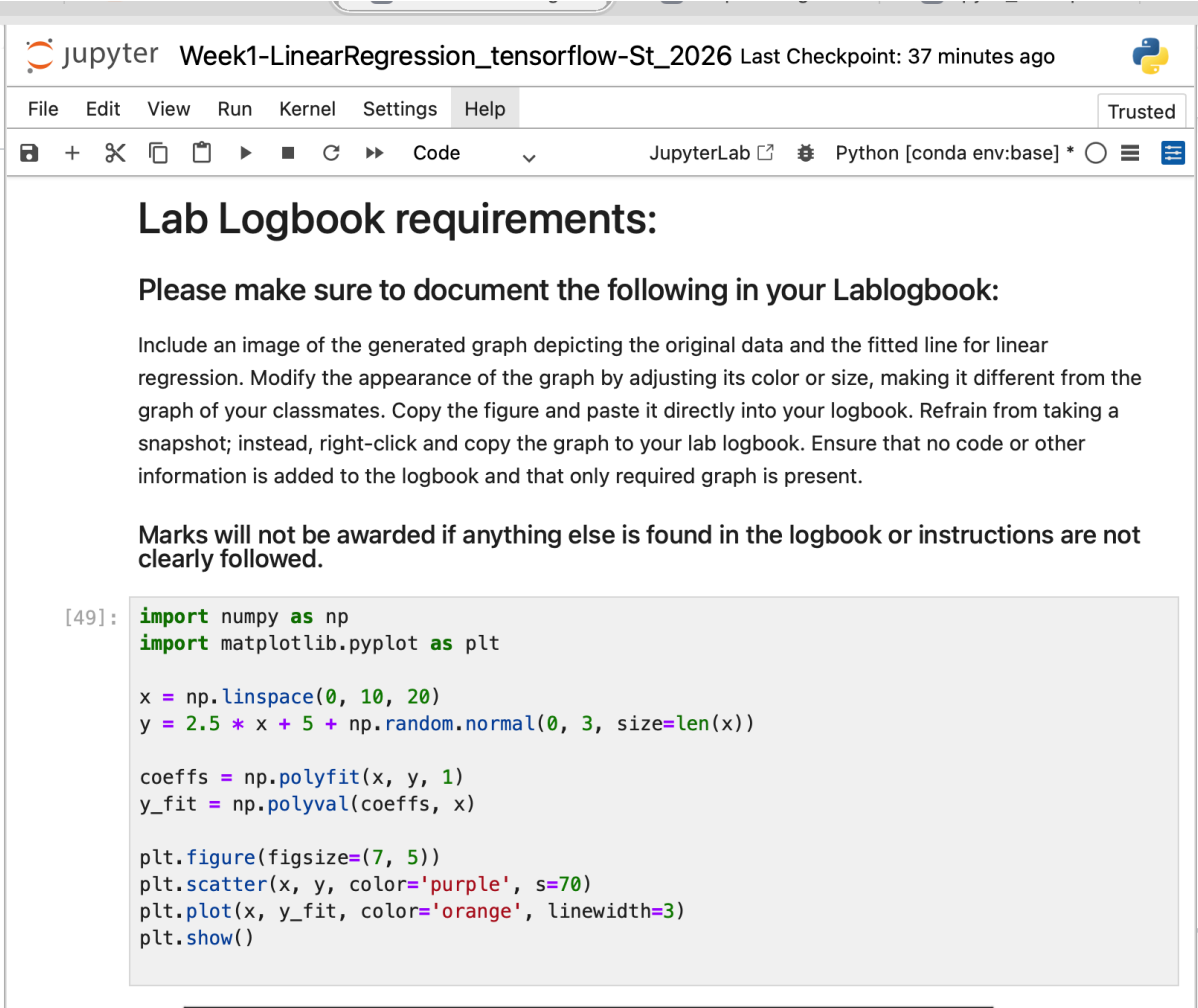


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ASSIGNMENT - WEEK 1

CODE -



The screenshot shows a JupyterLab window titled "Week1-LinearRegression_tensorflow-St_2026" with a "Last Checkpoint: 37 minutes ago" status. The interface includes a menu bar (File, Edit, View, Run, Kernel, Settings, Help) and a toolbar with icons for saving, opening, and running code. The main area displays a code cell with the following Python code:

```
[49]: import numpy as np
import matplotlib.pyplot as plt

x = np.linspace(0, 10, 20)
y = 2.5 * x + 5 + np.random.normal(0, 3, size=len(x))

coeffs = np.polyfit(x, y, 1)
y_fit = np.polyval(coeffs, x)

plt.figure(figsize=(7, 5))
plt.scatter(x, y, color='purple', s=70)
plt.plot(x, y_fit, color='orange', linewidth=3)
plt.show()
```

OUTPUT -

