Consider the following code:

```python
import matplotlib.pyplot as plt
plt.plot([1, 2, 3, 4], [5, 6, 7, 8])
plt.axis([0, 5, 0, 10])
plt.show()
```

Which of the following plots would be produced by executing the code above?

A:

![Plot A](image1)

B:

![Plot B](image2)
Correct

Answer:
A

Feedback:
A is correct.

plt.axis([0, 5, 0, 10]) sets the domain to be [0, 5] and the range to be [0, 10], so B cannot be correct.

plt.plot([1, 2, 3, 4], [5, 6, 7, 8]) assigns 5 to 1, 6 to 2, etc, so C cannot be correct (C has 5 match 0, etc).
Consider the following code:

```python
import matplotlib.pyplot as plt
plt.plot([39, 42, 9001])
plt.legend()
plt.show()
```

In the box below, modify the plotting line of code to introduce a label of "example"

```python
plt.plot([39, 42, 9001], label="example")
```

Correct

Answer:

Feedback:

```python
plt.plot([39, 42, 9001], label="example")
```

Consider the following code:

```python
import matplotlib.pyplot as plt
# TODO: Add plotting code
plt.show()
```

In the area below, write a line of code that could fill in for the section of missing code to produce exactly the following plot:

```python
plt.plot([5, 6, 7], [40, 45, 20])
```
Consider the following code:

```python
import matplotlib.pyplot as plt
plt.title("An example title")
plt.xlabel("Example X Label");
plt.ylabel("Example Y Label");
plt.axis([5, 10, 50, 100])
plt.plot([5, 6, 7], [50, 55, 60], label="Example Label")
plt.plot([6, 7, 8], [70, 80, 90])
plt.plot([7, 8, 9], [70, 80, 90], label="Not Suspicious label")
plt.legend()
plt.show()
```

In the following plot, most of these lines of code were executed. One of the lines of code in the above code was not executed to create this graph. In the menu below, select the line of code that was not executed.

- `import matplotlib.pyplot as plt`
- `plt.title("An example title")`
- `plt.xlabel("Example X Label")`
- `plt.ylabel("Example Y Label")`
- `plt.axis([5, 10, 50, 100])`
- `plt.plot([5, 6, 7], [40, 45, 20])`
plt.plot([5, 6, 7], [50, 55, 60], label="Example Label")
plt.plot([6, 7, 8], [70, 80, 90])
plt.plot([7, 8, 9], [70, 80, 90], label="Not Suspicious label")
plt.legend()
plt.show()

Correct

Answer:
plt.plot([6, 7, 8], [70, 80, 90])

Feedback:
plt.plot([6, 7, 8], [70, 80, 90]) did not occur. Notice that there is no line that has no label, and there is no line that begins with an x value of 6.

Total points:
6/6

Questions or Comments?
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