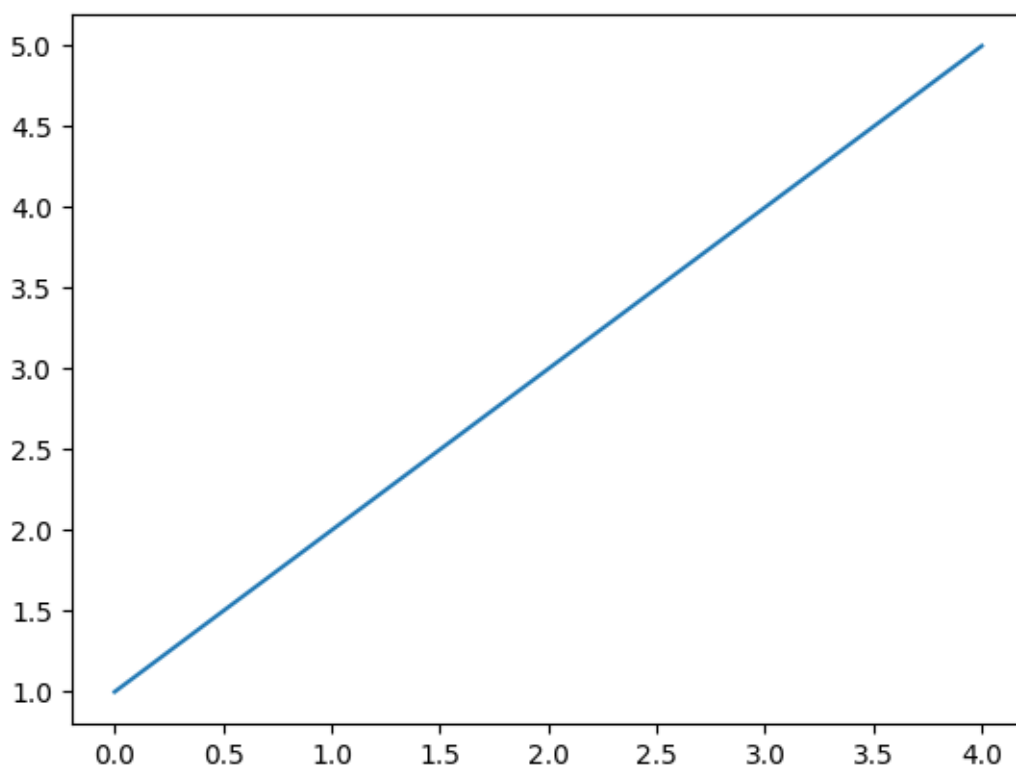


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2025 年 2 月 25 日

```
[10]: from matplotlib import pyplot as plt
import numpy as np

data = np.array([1,2,3,4,5])
fig = plt.figure()
ax = fig.add_subplot(111) # 表示在画布上绘制 1 行, 1 列中的第一个位置绘制坐标轴
ax.plot(data)
plt.show()
```

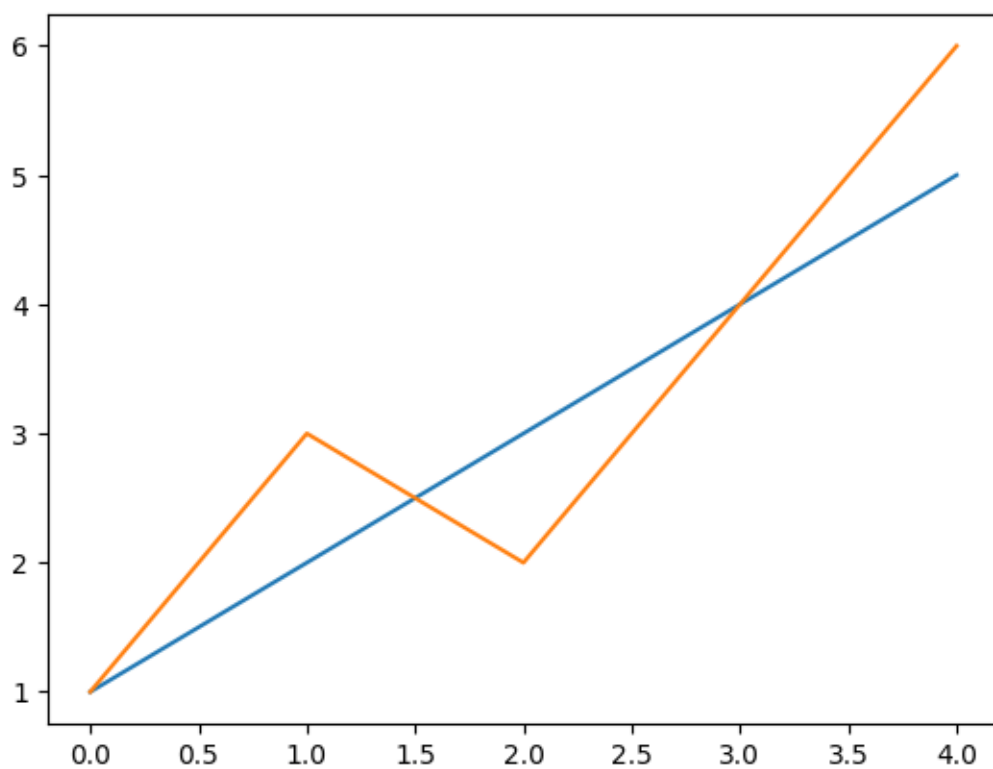


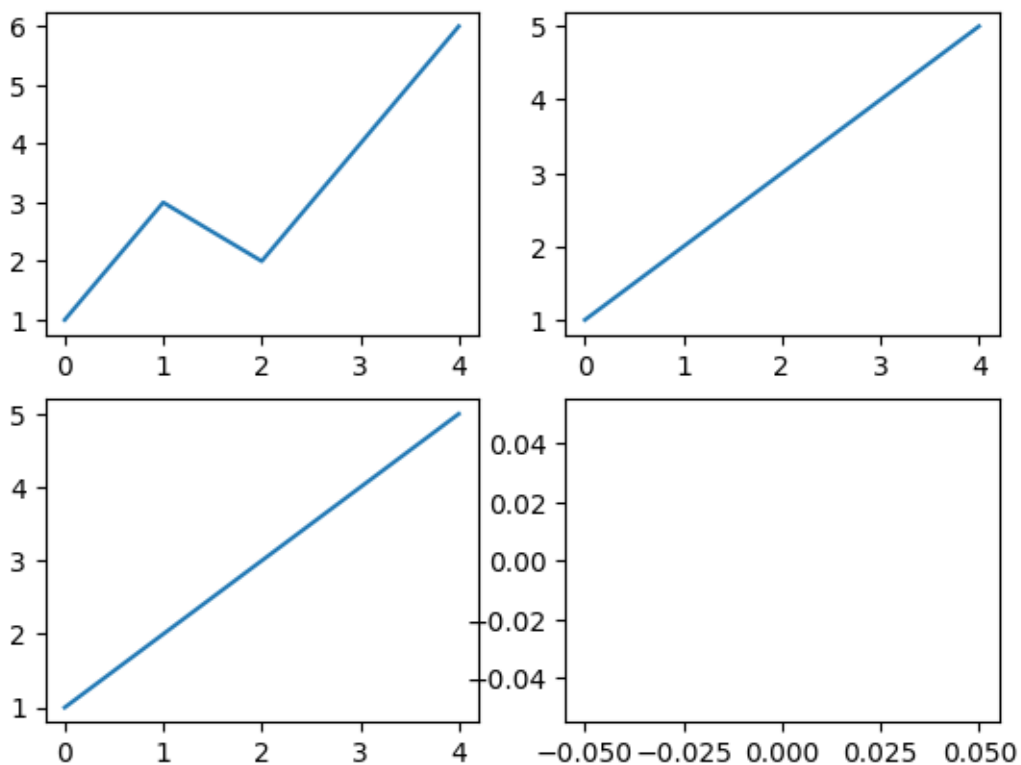
```
[1]: import numpy as np
      from matplotlib import pyplot as plt

      data = np.array([1,2,3,4,5])
      plt.plot(data)

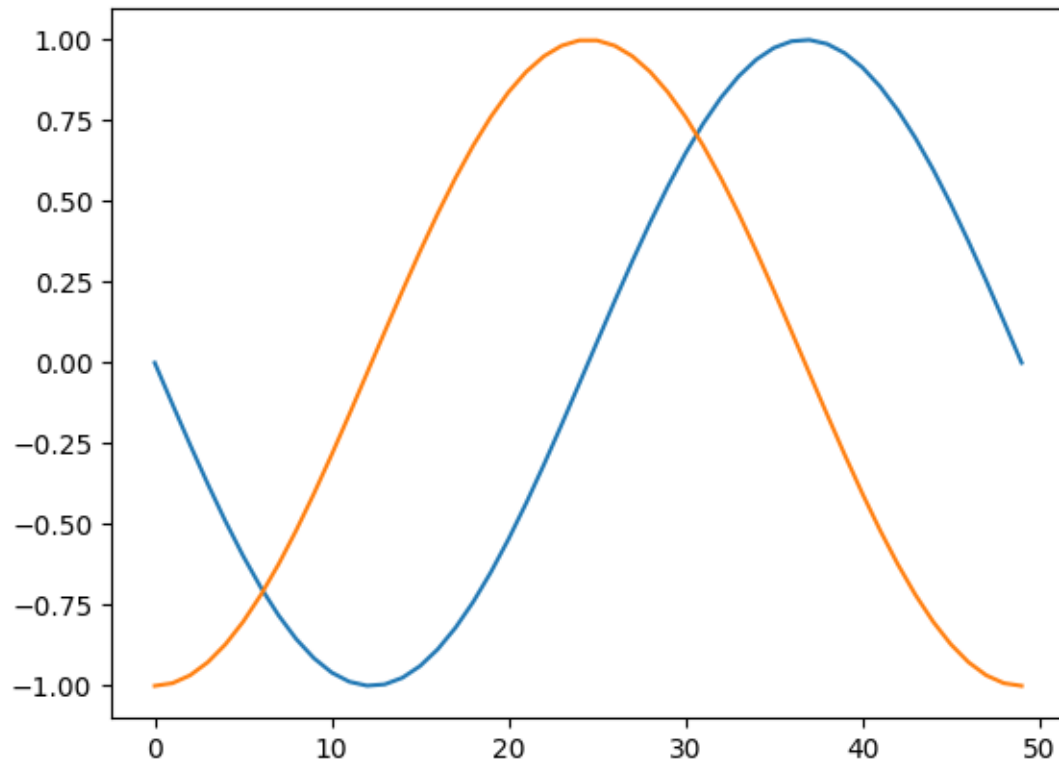
      data1 = np.array([1,3,2,4,6])
      plt.plot(data1)

      fig = plt.figure()
      ax1 = fig.add_subplot(221)
      ax1.plot(data1)
      ax2 = fig.add_subplot(222)
      ax2.plot(data)
      ax3 = fig.add_subplot(223)
      ax3.plot(data)
      ax4 = fig.add_subplot(224)
      ax4.plot()
      plt.show()
```





```
[2]: x = np.linspace(-1 * np.pi, np.pi)
sin = np.sin(x)
cos = np.cos(x)
plt.plot(sin)
plt.plot(cos)
plt.show()
```

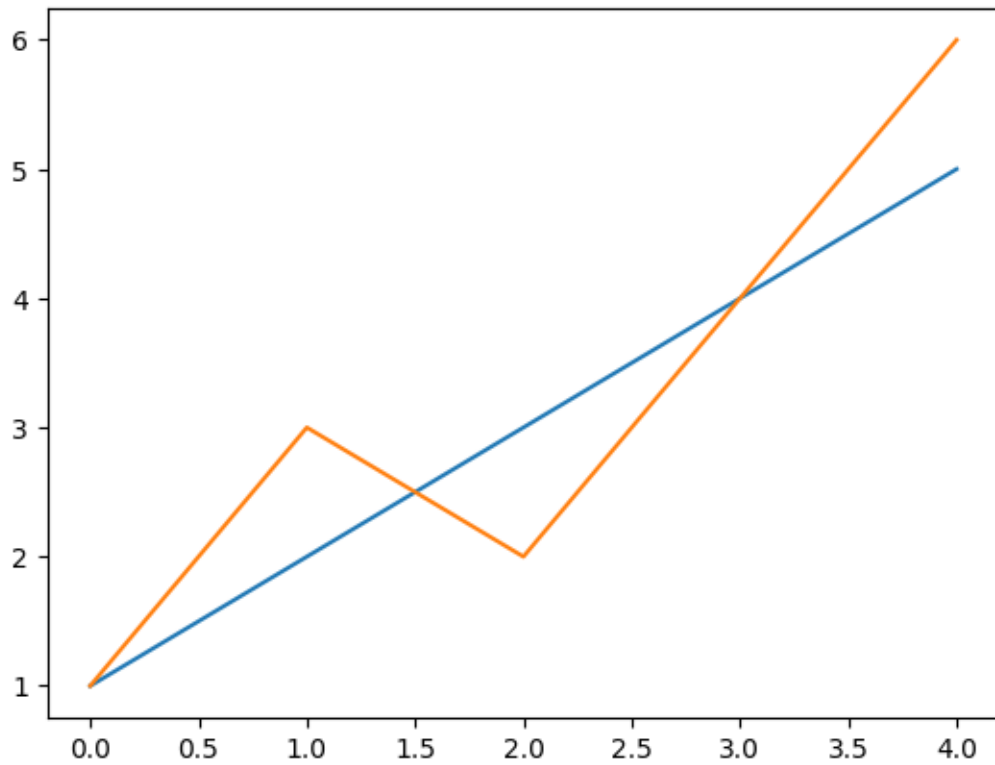


```
[3]: import numpy as np
      from matplotlib import pyplot as plt

      data = np.array([1,2,3,4,5])
      plt.plot(data)

      data1 = np.array([1,3,2,4,6])
      plt.plot(data1)

      plt.show()
```



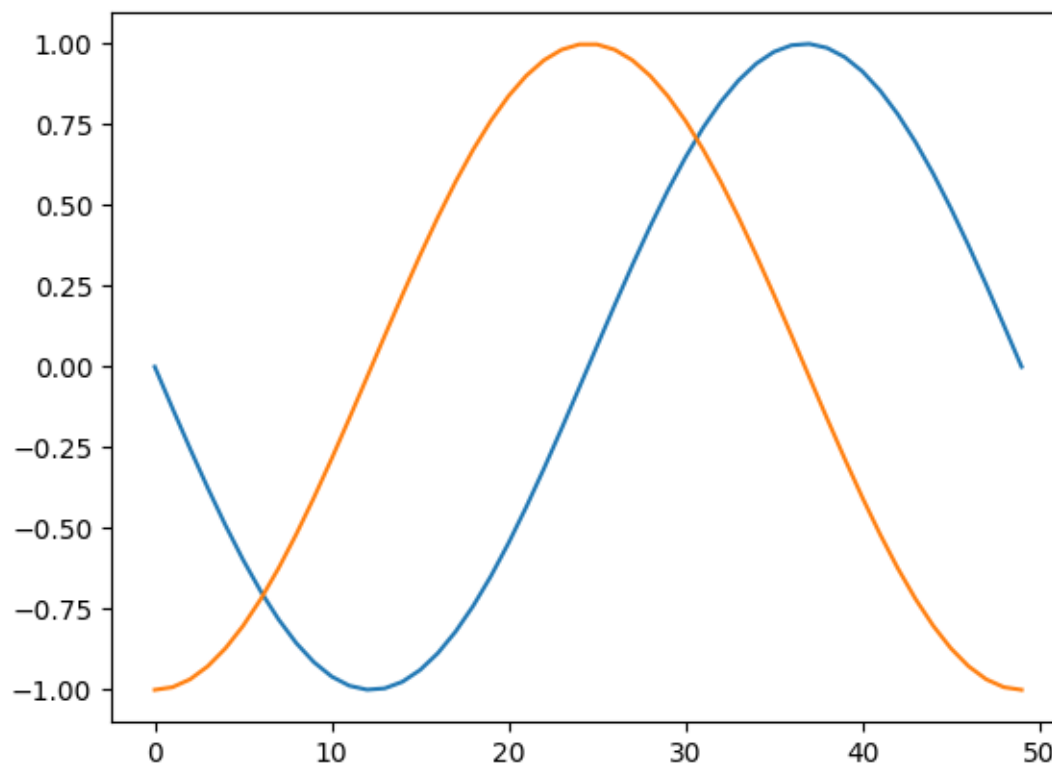
```
[4]: from matplotlib import pyplot as plt
import numpy as np

data = np.linspace(-1 * np.pi, np.pi)

sin = np.sin(data)
cos = np.cos(data)

plt.plot(sin)
plt.plot(cos)

plt.show()
```



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

np.random.seed(10)
D = np.random.normal((3,5,4),(0.75,1.00,0.75),(200,3))

fig, ax = plt.subplots()
vp = ax.
    ↪violinplot(D,[2,4,6],widths=2,showmeans=False,showmedians=False,showextrema=False)

for body in vp["bodies"]:
    body.set_alpha(0.9)
ax.set(xlim=(0,8),xticks=np.arange(1,8),ylim=(0,8),yticks=np.arange(1,8))
plt.show()
```

