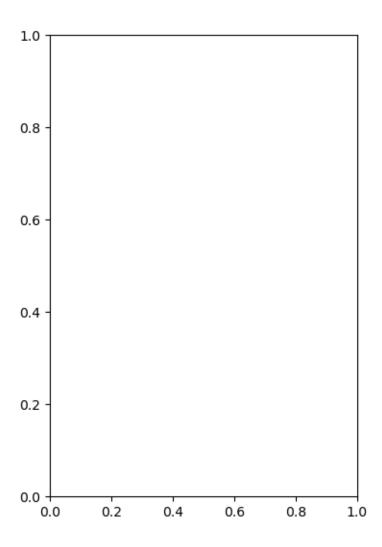
week2

August 2, 2024

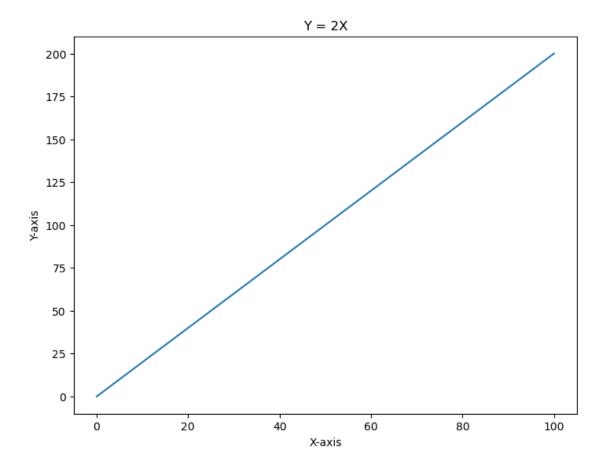
```
[36]: %matplotlib inline
import matplotlib.pyplot as plt

[41]: import matplotlib.pyplot as plt
plt1=plt.figure()
axes = plt1.add_axes([3, 3, 0.5, 1])
plt1.show()

/tmp/ipykernel_7247/668078155.py:4: UserWarning: Matplotlib is currently using
module://matplotlib_inline.backend_inline, which is a non-GUI backend, so cannot
show the figure.
    plt1.show()
```



```
[38]: #q1
fig = plt.figure()
ax = fig.add_axes([0, 0, 1, 1])
x = [0, 20, 40, 60, 80, 100]
y = [0, 40, 80, 120, 160, 200]
ax.plot(x, y)
ax.set_xlabel('X-axis')
ax.set_ylabel('Y-axis')
ax.set_title('Y = 2X')
plt.show()
```



```
[46]: import matplotlib.pyplot as plt
fig = plt.figure()
ax1 = fig.add_axes([0, 0, 1, 1])
ax2 = fig.add_axes([0.2, 0.5, 0.2, 0.2])
x = [5, 3, 6, 2, 9]
y = [2, 3, 5, 7, 11]
ax1.plot(x, y)
ax1.set_xlabel('X-axis (ax1)')
ax1.set_ylabel('Y-axis (ax1)')
ax1.set_title('TITLE (ax1)')
ax2.plot(x, y)
```

[46]: [<matplotlib.lines.Line2D at 0x7c42704f1af0>]

