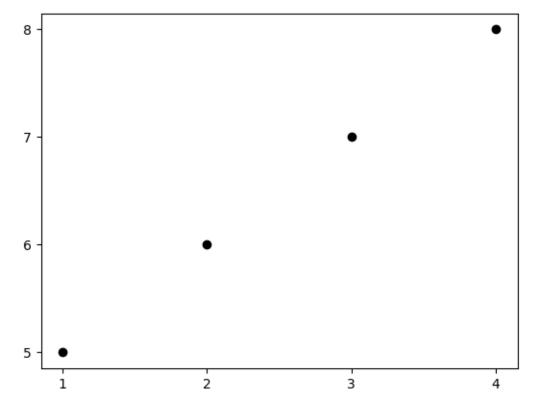
e-13

March 11, 2025

```
[8]: import numpy as np
   import matplotlib.pyplot as plt
   from PIL import Image
   from IPython.display import display

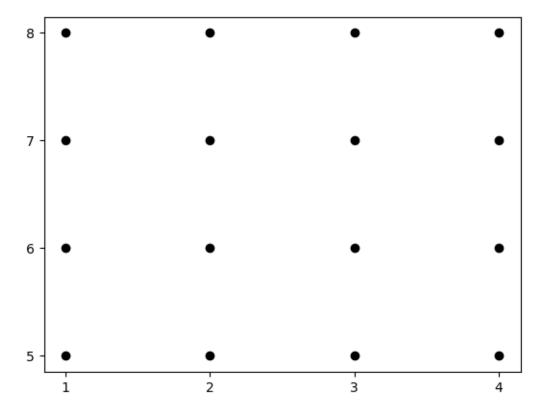
[9]: x = [1, 2, 3, 4]
   y = [5, 6, 7, 8]

[10]: plt.plot(x, y, marker='o', color='k', linestyle='none')
   plt.xticks(x)
   plt.yticks(y)
   plt.show()
```



```
[11]: xx, yy = np.meshgrid(x, y)

plt.plot(xx, yy, marker='o', color='k', linestyle='none')
plt.xticks(x)
plt.yticks(y)
plt.show()
```



[13]: display(Image.open('meshgrid.png'))

```
XX, YY = meshgrid(x, y)
                1 7
                       2 7
                              3 7
                                     4 7
                                                  1 2 3 4
                                                             7777
                                     4 6
                                                  1 2 3 4
          >>
                16
                       26
                              3 6
                                            >>
                                                             6666
                15
                                     4 5
                                                  1 2 3 4
                                                             5 5 5 5
                       2 5
                              3 5
1 2 3 4
                                                    XX
                                                               YY
 Х
```