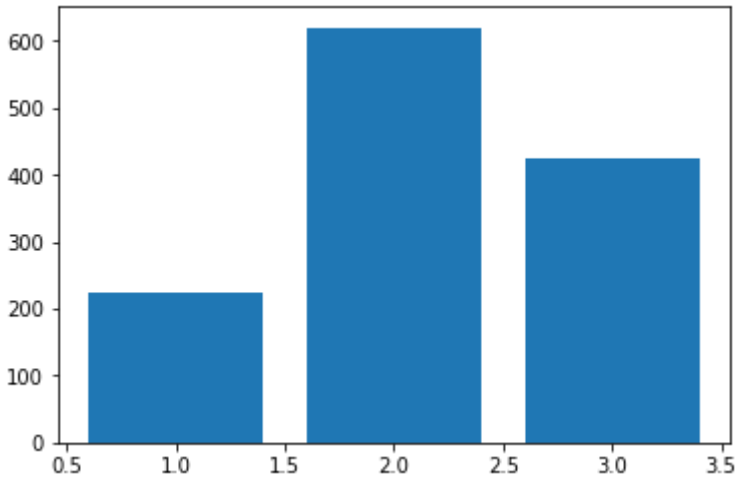
Creating a Bar Chart Using Matplotlib

In [ ]:

In [1]:
```
import matplotlib.pyplot as plt
% matplotlib inline
```

There are two required arguments in pyplot's `bar` function: the x-coordinates of the bars, and the heights of the bars.

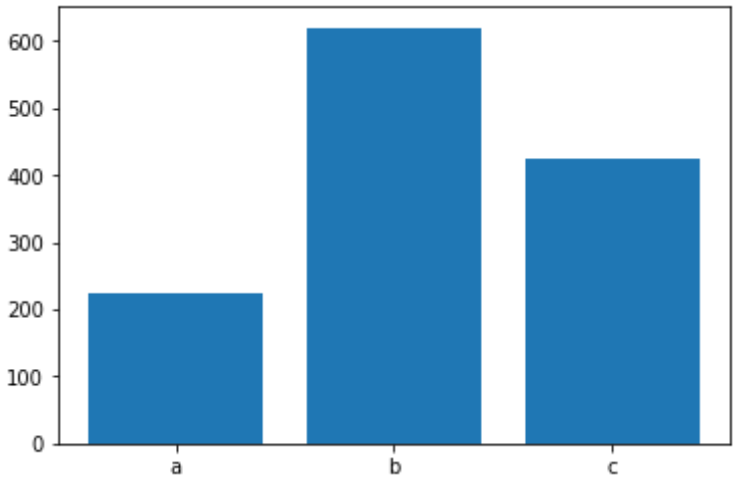
In [2]:
```
plt.bar([1, 2, 3], [224, 620, 425]);
```



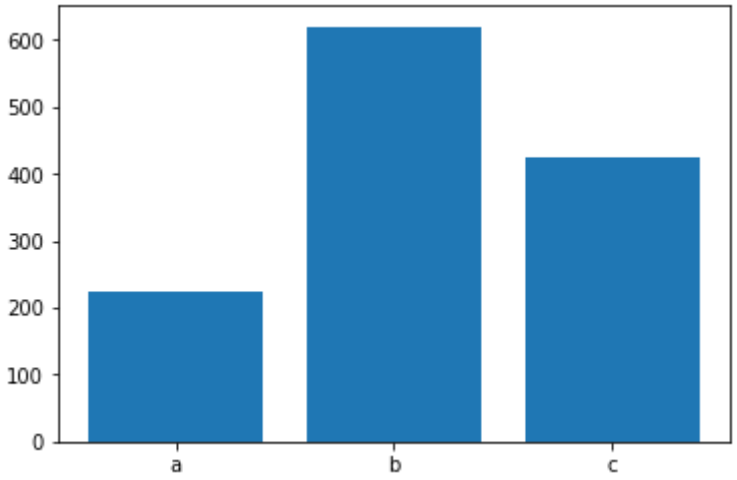
You can specify the x tick labels using pyplot's `xticks` function, or by specifying another parameter in the `bar` function. The two cells below accomplish the same thing.

In [3]:
```
# plot bars
plt.bar([1, 2, 3], [224, 620, 425])

# specify x coordinates of tick labels and their labels
plt.xticks([1, 2, 3], ['a', 'b', 'c']);
```

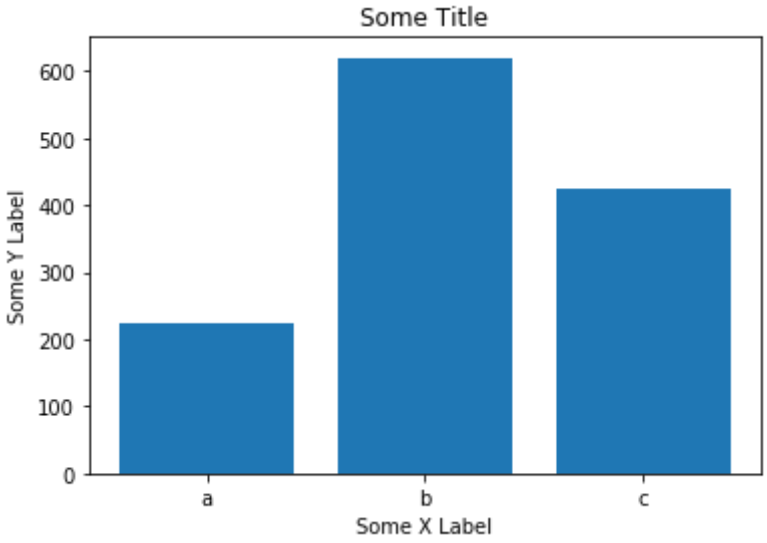


In [4]:
```
# plot bars with x tick labels
plt.bar([1, 2, 3], [224, 620, 425], tick_label=['a', 'b', 'c']);
```



Set the title and label axes like this.

In [5]:
```
plt.bar([1, 2, 3], [224, 620, 425], tick_label=['a', 'b', 'c'])
plt.title('Some Title')
plt.xlabel('Some X Label')
plt.ylabel('Some Y Label');
```



In [ ]:
```
```