**Matplotlib Tutorial: Bar Chart**

In [2]:

**%matplotlib** inline

**import** matplotlib.pyplot **as** plt

**import** numpy **as** np

**Simple bar chart showing revenues of major US tech companies**

In [3]:

company**=**['GOOGL','AMZN','MSFT','FB']

revenue**=**[90,136,89,27]

In [21]:

xpos **=** np**.**arange(len(company))

xpos

Out[21]:

array([0, 1, 2, 3])

In [22]:

plt**.**bar(xpos,revenue, label**=**"Revenue")

plt**.**xticks(xpos,company)

plt**.**ylabel("Revenue(Bln)")

plt**.**title('US Technology Stocks')

plt**.**legend()

Out[22]:

<matplotlib.legend.Legend at 0x1fdce45b240>

**Multiple Bars showing revenue and profit of major US tech companies**

In [10]:

profit**=**[40,2,34,12]

In [23]:

plt**.**bar(xpos**-**0.2,revenue, width**=**0.4, label**=**"Revenue")

plt**.**bar(xpos**+**0.2,profit, width**=**0.4,label**=**"Profit")

plt**.**xticks(xpos,company)

plt**.**ylabel("Revenue(Bln)")

plt**.**title('US Technology Stocks')

plt**.**legend()

Out[23]:

<matplotlib.legend.Legend at 0x1fdce4ba668>

**Horizontal bar chart using barh function**

In [24]:

plt**.**barh(xpos,revenue, label**=**"Revenue")

plt**.**yticks(xpos,company)

plt**.**ylabel("Revenue(Bln)")

plt**.**title('US Technolog Stocks')

plt**.**legend()

Out[24]:

<matplotlib.legend.Legend at 0x1fdcd2ad588>