Matplot_Bar_Chart

January 30, 2026

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

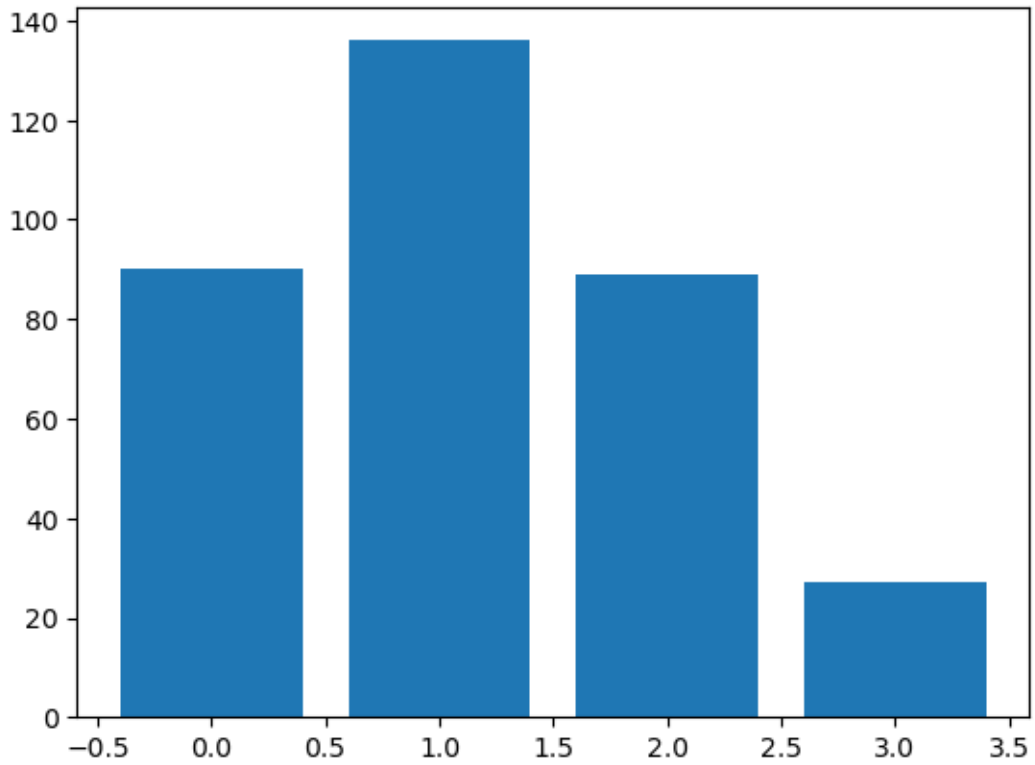
[2]:
```
company=["Google", "AMZN", "MSFT", "FB"]
revenue=[90, 136, 89, 27]
```

[5]:
```
ypos = np.arange(len(company))
ypos
```

[5]:
```
array([0, 1, 2, 3])
```

[6]:
```
#plt.bar(ypos ,revenue)
```

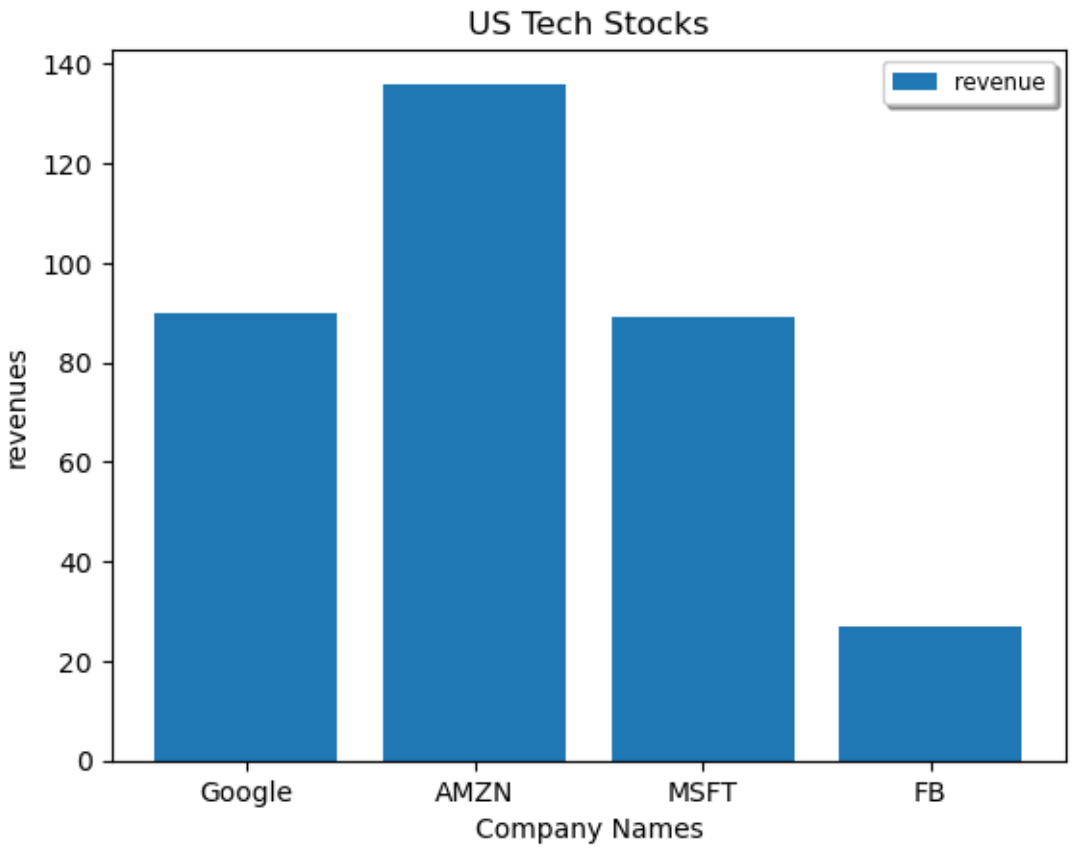
[6]:
```
<BarContainer object of 4 artists>
```



[14]:
```
plt.xticks(ypos, company)  ## This line changes the x_values to the company␣
 ↪names
plt.xlabel("Company Names")
plt.ylabel("revenues")
plt.title('US Tech Stocks')
plt.bar(ypos ,revenue, label='revenue')

plt.legend(shadow=True, fontsize='small')
```

[14]:
```
<matplotlib.legend.Legend at 0x253c7f1d450>
```



0.1 Adding profit bar on the same chart

[16]:
```
company=["Google", "AMZN", "MSFT", "FB"]
revenue=[90, 136, 89, 27]
profit=[40,2,34,32]
```

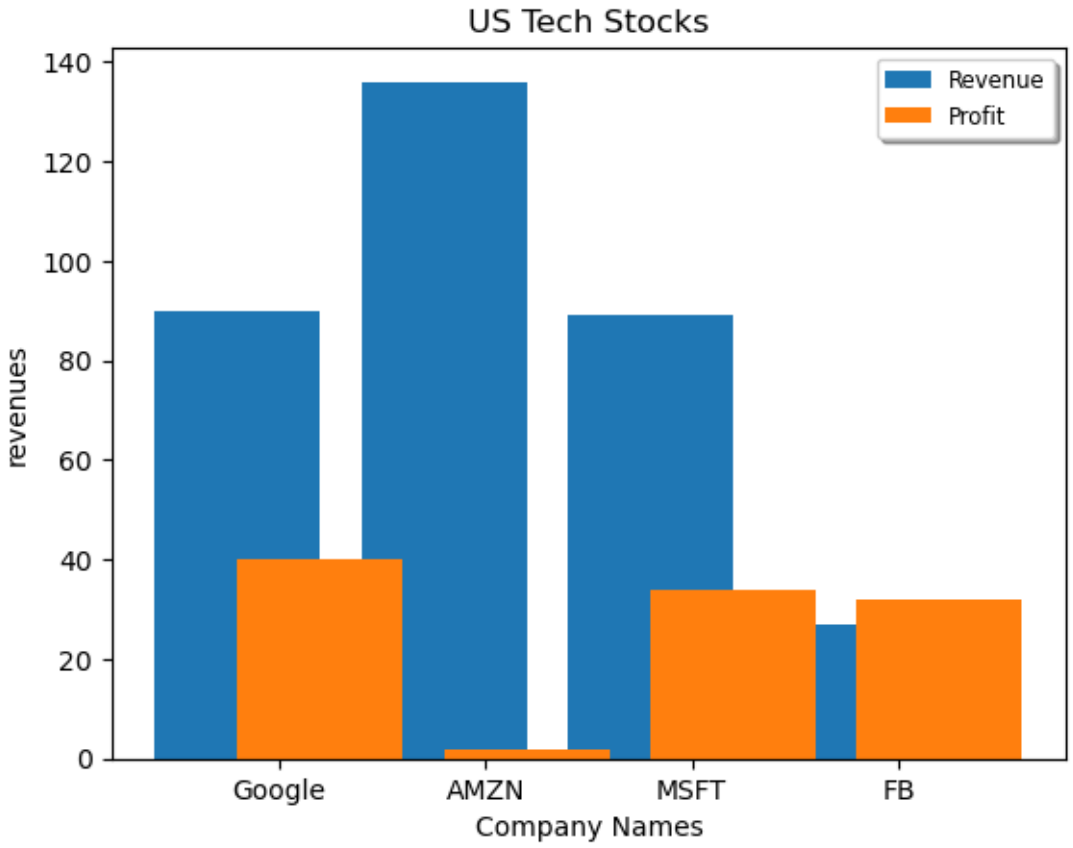
[20]:
```
xpos = np.arange(len(company))
xpos
```

[20]:
```
array([0, 1, 2, 3])
```

[23]:
```
plt.xticks(ypos, company)  ## This line changes the x_values to the company␣
↪names
plt.xlabel("Company Names")
plt.ylabel("revenues")
plt.title('US Tech Stocks')
plt.bar(xpos-0.2,revenue, label='Revenue')
plt.bar(xpos+0.2,profit, label='Profit')

plt.legend(shadow=True, fontsize='small')
```

[23]:
```
<matplotlib.legend.Legend at 0x253ca73d1d0>
```

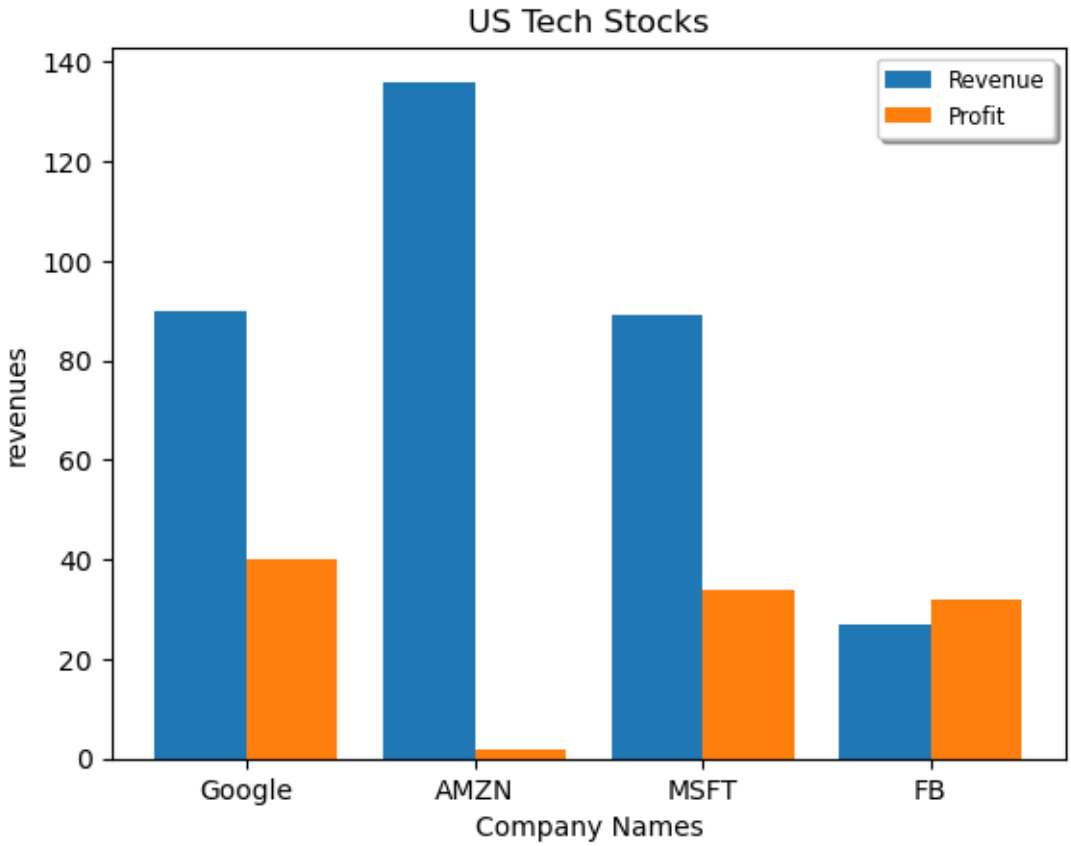


[24]:
```
plt.xticks(ypos, company)  ## This line changes the x_values to the company␣
↪names
plt.xlabel("Company Names")
```

```
plt.ylabel("revenues")
plt.title('US Tech Stocks')
plt.bar(xpos-0.2,revenue, width=0.4, label='Revenue')
plt.bar(xpos+0.2,profit, width=0.4, label='Profit')

plt.legend(shadow=True, fontsize='small')
```

[24]: <matplotlib.legend.Legend at 0x253ca77f610>



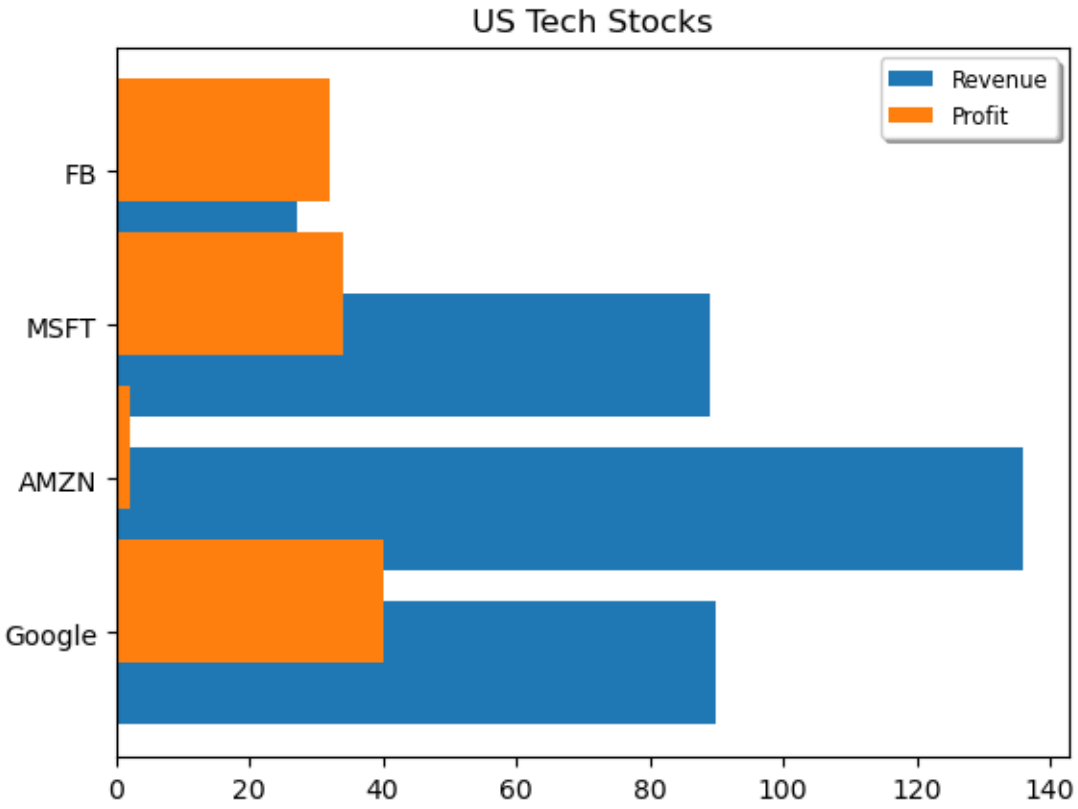
0.2 Horizontal Bar Chart

[31]:
```
plt.yticks(ypos, company)  ## This line changes the x_values to the company␣
  ↪names
plt.title('US Tech Stocks')

plt.barh(xpos-0.2,revenue,label='Revenue')
plt.barh(xpos+0.2,profit,label='Profit')

plt.legend(shadow=True, fontsize='small')
```

[31]: <matplotlib.legend.Legend at 0x253caa97ed0>



[ ]: