

In [1]: `pip install matplotlib`

```

Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: matplotlib in c:\programdata\anaconda3\lib\site-packages (3.5.1)
Requirement already satisfied: numpy>=1.17 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (1.21.5)
Requirement already satisfied: python-dateutil>=2.7 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (2.8.2)
Requirement already satisfied: fonttools>=4.22.0 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (4.25.0)
Requirement already satisfied: cycler>=0.10 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (0.11.0)
Requirement already satisfied: pillow>=6.2.0 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (9.0.1)
Requirement already satisfied: packaging>=20.0 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (21.3)
Requirement already satisfied: pyparsing>=2.2.1 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (3.0.4)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (1.3.2)
Requirement already satisfied: six>=1.5 in c:\programdata\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotlib) (1.16.0)
Note: you may need to restart the kernel to use updated packages.

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In [2]: `import matplotlib.pyplot as plt`

```

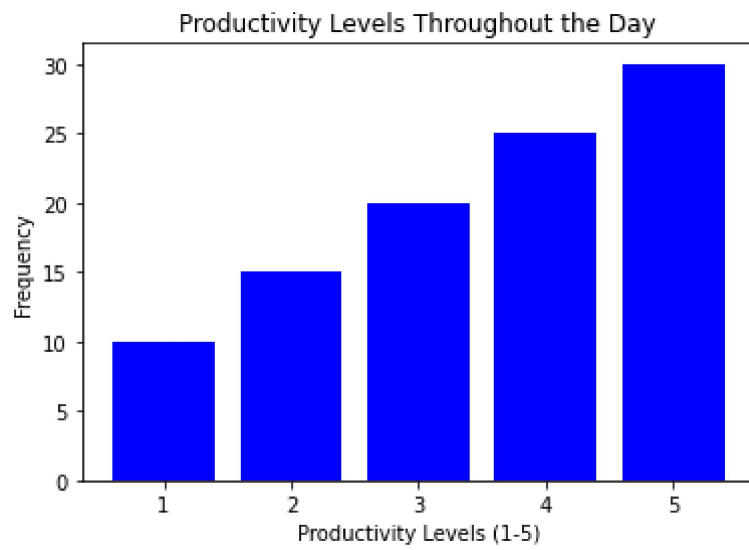
def generate_bar_graph(productivity_levels, frequencies):
    plt.bar(productivity_levels, frequencies, color='blue')
    plt.xlabel('Productivity Levels (1-5)')
    plt.ylabel('Frequency')
    plt.title('Productivity Levels Throughout the Day')
    plt.show()

def main():
    # Hypothetical data
    productivity_levels = [1, 2, 3, 4, 5]
    frequencies = [10, 15, 20, 25, 30]

    generate_bar_graph(productivity_levels, frequencies)

if __name__ == "__main__":
    main()

```



In []: