Practical

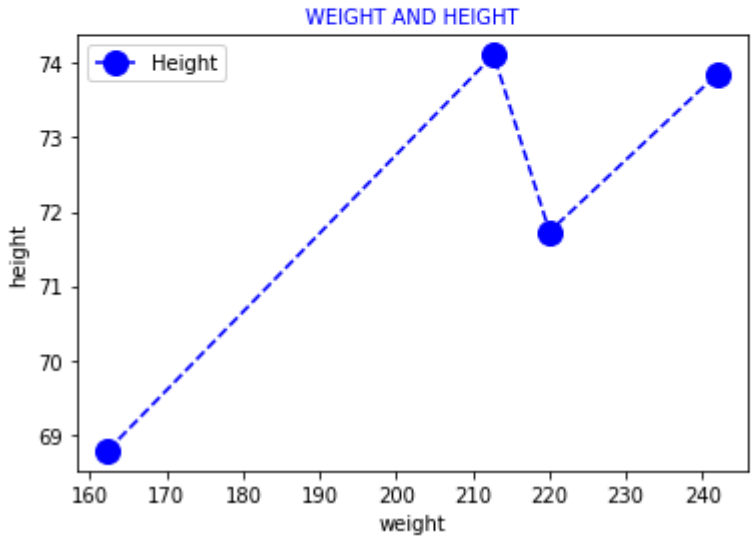
Demonstrate Matplotlib package function.

Code:

```
In [3]: import matplotlib.pyplot as plt
        import pandas as pd

        data =pd.read_csv(r"C:\Users\student\Downloads\weight-height-Gender - weight-height-Gender.csv")
        print("DATA:\n\n",data,"\n")

        x = data["Weight"]
        y = data["Height"]

        plt.plot(x,y,color = 'blue' , linestyle = 'dashed',marker ='o',markerfacecolor ="blue",markersize =12)
        plt.xlabel("weight")
        plt.ylabel("height")
        plt.title("WEIGHT AND HEIGHT", fontsize=10, color = "blue")
        plt.legend()
        plt.show()
```

Output:

```
DATA:

   Gender     Height      Weight
0    Male  68.781904  162.310473
1    Male  74.110105  212.740856
2    Male  71.730978  220.042470
3    Male  73.847017  241.893563
```



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Code:

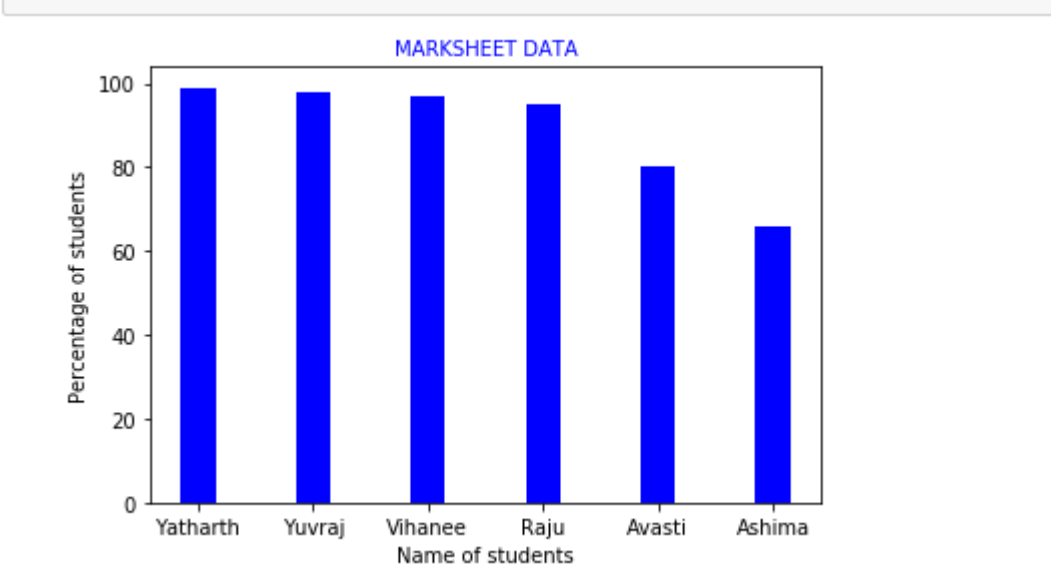
```
In [9]: import matplotlib.pyplot as plt
        import pandas as pd

        data =pd.read_csv(r"C:\Users\student\Downloads\studentData.csv")


        name= list(data.iloc[0:6,0])
        percentage = list(data.iloc[0:6,2])


        plt.bar(name,percentage, color ='blue',width = 0.3)
        plt.xlabel('Name of students')
        plt.ylabel('Percentage of students')
        plt.title('MARKSHEET DATA',color='blue',fontsize=10)
        plt.show()
```

Output:



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