```
In [1]: print("Name : ")
In [7]: #import the Libraries
    import pandas as pd
    from matplotlib import pyplot as plt

    dataframe_bmi = pd.read_csv('bmi.csv')

    dataframe_bmi
#Task 1
#Read the bmi.csv
```

Out[7]:

Unnamed: 0	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	ВМІ	DiabetesPedigre
177	0	129	110	46	130	67.1	
445	0	180	78	63	14	59.4	
673	3	123	100	35	240	57.3	
125	1	88	30	42	99	55.0	
120	0	162	76	56	100	53.2	
426	0	94	0	0	0	0.0	
706	10	115	0	0	0	0.0	
371	0	118	64	23	89	0.0	
9	8	125	96	0	0	0.0	
145	0	102	75	23	0	0.0	
	177 445 673 125 120 426 706 371 9	O Pregnancies 177 0 445 0 673 3 125 1 120 0 426 0 706 10 371 0 9 8	o Pregnancies Glucose 177 0 129 445 0 180 673 3 123 125 1 88 120 0 162 426 0 94 706 10 115 371 0 118 9 8 125	o Pregnancies Glucose BioodPressure 177 0 129 110 445 0 180 78 673 3 123 100 125 1 88 30 120 0 162 76 426 0 94 0 706 10 115 0 371 0 118 64 9 8 125 96	O Pregnancies Glucose BioodPressure SkinTnickness 177 0 129 110 46 445 0 180 78 63 673 3 123 100 35 125 1 88 30 42 120 0 162 76 56 426 0 94 0 0 706 10 115 0 0 371 0 118 64 23 9 8 125 96 0	O Pregnancies Glucose BioodPressure SkinTnickness Insulin 177 0 129 110 46 130 445 0 180 78 63 14 673 3 123 100 35 240 125 1 88 30 42 99 120 0 162 76 56 100 426 0 94 0 0 0 706 10 115 0 0 0 371 0 118 64 23 89 9 8 125 96 0 0	O Pregnancies Glucose BioodPressure Skintnickness insulin Biolin 177 0 129 110 46 130 67.1 445 0 180 78 63 14 59.4 673 3 123 100 35 240 57.3 125 1 88 30 42 99 55.0 120 0 162 76 56 100 53.2 426 0 94 0 0 0 0.0 706 10 115 0 0 0 0.0 371 0 118 64 23 89 0.0 9 8 125 96 0 0 0 0.0

768 rows × 10 columns

```
In [8]: #Task 2
    #Data is sorted in descending order in accordance with BMI value
    #Find the top 5 age group where the BMI value is the highest, and plot a bar

top_5 = dataframe_bmi.head(5)
label = top_5['Age']
value = top_5['BMI']
plt.xlabel("Age")
plt.ylabel("BMI")
plt.xticks(rotation='vertical')

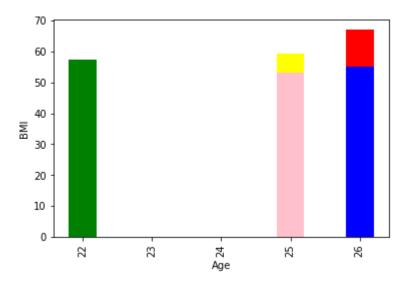
print(label)
print(value)

plt.bar(label,value,width=0.4, color=('red','yellow','green','blue','pink'))

0 26
```

25 1 22 2 3 26 25 Name: Age, dtype: int64 67.1 59.4 1 57.3 2 3 55.0 53.2 Name: BMI, dtype: float64

Out[8]: <BarContainer object of 5 artists>



In [4]: #Task 3
#Read blood_pressure.csv

In	[5]:	#Task 4 #Data is sorted in ascending order in accordance with Blood Pressure #Find the top 5 age group where the BloodPressure value is the highest, and p
In	[6]:	#Task 5 #Read the insulin.csv
In	[]:	#Task 6
		#Data is sorted in descending order in accordance with Insulin value #Find out what will be the Glucose and BMI value when the Insulin is highest
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In	[]:	