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]:

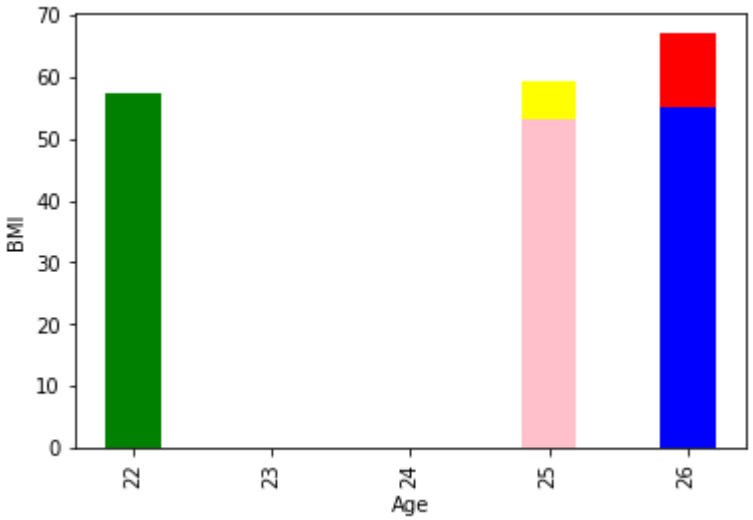
	Unnamed: 0	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	DiabetesPedigre
0	177	0	129	110	46	130	67.1	
1	445	0	180	78	63	14	59.4	
2	673	3	123	100	35	240	57.3	
3	125	1	88	30	42	99	55.0	
4	120	0	162	76	56	100	53.2	
...	...	...	...	...	...	...	...	
763	426	0	94	0	0	0	0.0	
764	706	10	115	0	0	0	0.0	
765	371	0	118	64	23	89	0.0	
766	9	8	125	96	0	0	0.0	
767	145	0	102	75	23	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
1    25
2    22
3    26
4    25
Name: Age, dtype: int64
0    67.1
1    59.4
2    57.3
3    55.0
4    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
```

In [ ]:

In [ ]: