Data Visualization

In [ ]:
```python
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#Sec: C
#Subject:ET - 1
```

In [1]:
```python
import pandas as pd
import matplotlib.pyplot as plt
```

In [2]:
```python
import os
```

In [3]:
```python
os.getcwd()
```

Out[3]:
```
'C:\\Users\\dishi\\Downloads'
```

In [6]:
```python
os.chdir("C:\\Users\\dishi\\Downloads")
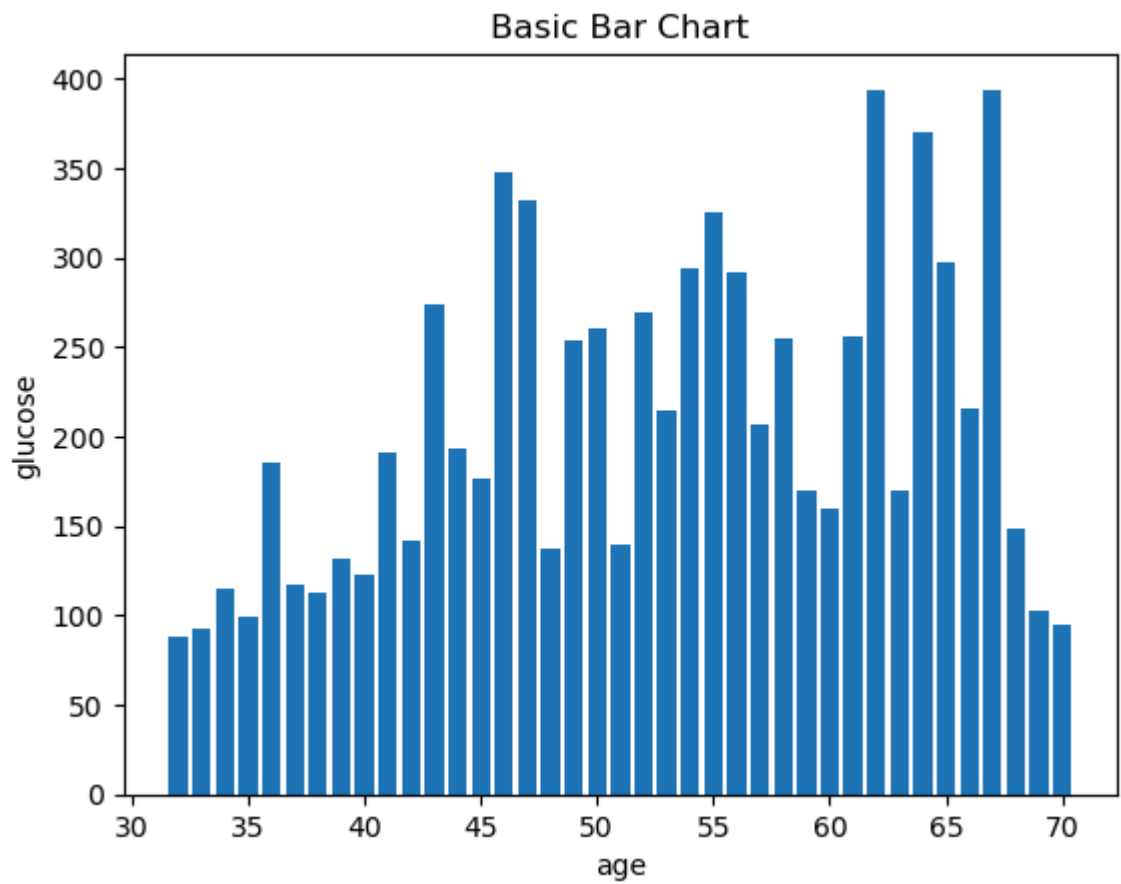```

In [5]:
```python
df=pd.read_csv("framingham.csv")
```

In [6]:
```python
df.dtypes
```

Out[6]:
```
male               int64
age                int64
education        float64
currentSmoker      int64
cigsPerDay       float64
BPMeds           float64
prevalentStroke    int64
prevalentHyp       int64
diabetes           int64
totChol          float64
sysBP            float64
diaBP            float64
BMI              float64
heartRate        float64
glucose          float64
TenYearCHD         int64
dtype: object
```

In [7]:
```python
X = df['age']
Y = df['glucose']
```

In [8]:
```python
plt.bar(X, Y)
plt.xlabel('age')
plt.ylabel('glucose')
plt.title('Basic Bar Chart')
plt.show()
```

Basic Bar Chart

```
In [9]: plt.plot(X, Y)
        plt.xlabel('age')
        plt.ylabel('glucose')
        plt.title('Basic Line Graph')
        plt.show()
```

Basic Line Graph