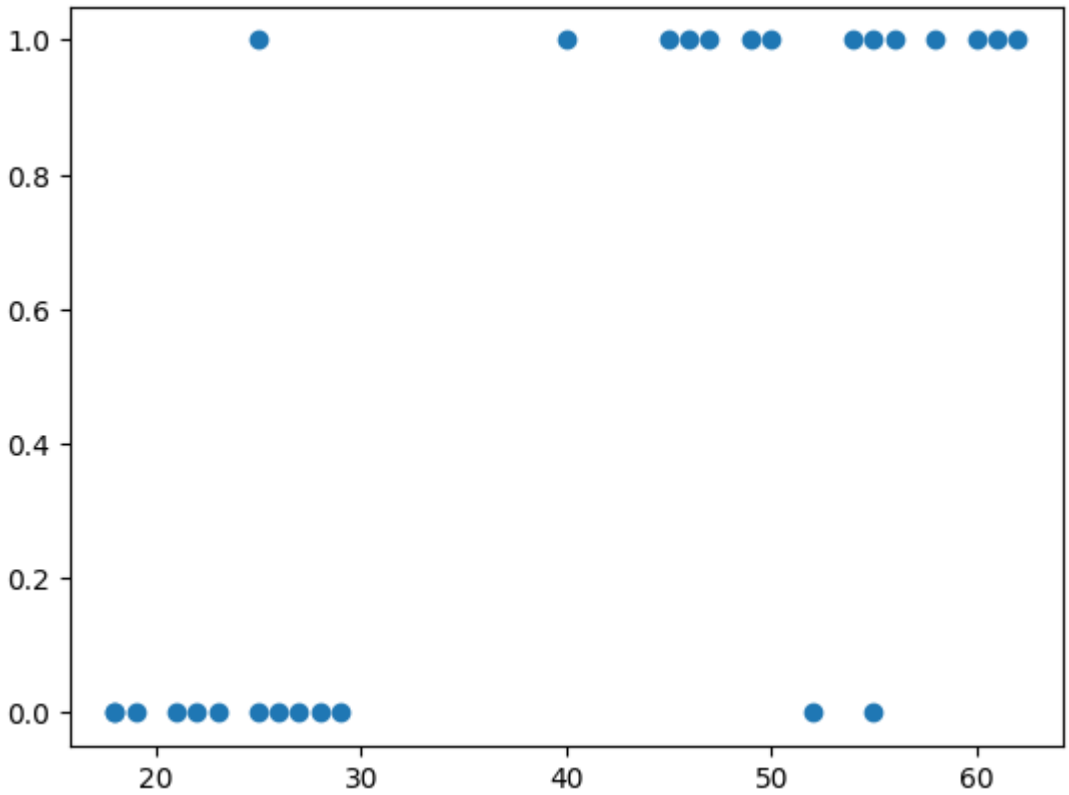
In [3]:
```
import pandas as pd
from sklearn import linear_model
import  matplotlib.pyplot as plt
url="https://raw.githubusercontent.com/apratim777/apratim777/master/insurance_data.csv"
df= pd.read_csv(url)
print(df.head())
```

```
   age  bought_insurance
0   22                 0
1   25                 0
2   47                 1
3   52                 0
4   46                 1
```

In [5]:
```
plt.scatter(df.age,df.bought_insurance)
```

Out[5]: <matplotlib.collections.PathCollection at 0x28007a03580>



In [6]:
```
x=df[['age']]
y=df.bought_insurance
print(x.shape)
print(y.shape)
```

```
(27, 1)
(27,)
```

In [8]:
```
model=linear_model.LogisticRegression()
model.fit(x,y)
acc=model.score(x,y)
print(acc)
```

```
0.8888888888888888
```

In [10]:
```
pre=model.predict([[40]])
print(pre[0])
```

```
1

d:\py\lib\site-packages\sklearn\base.py:450: UserWarning: X does not have val
id feature names, but LogisticRegression was fitted with feature names
  warnings.warn(
```