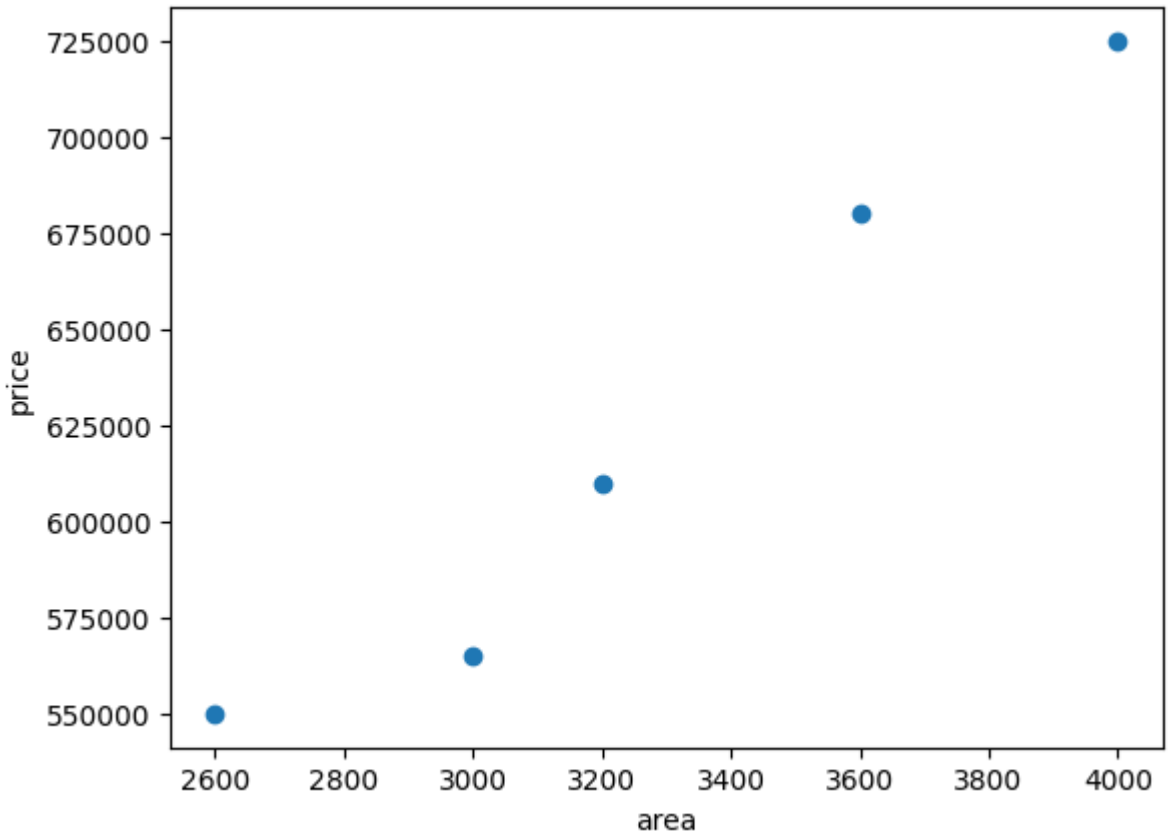
In [9]:
```
import pandas as pd
from sklearn import linear_model
import  matplotlib.pyplot as plt
url="https://raw.githubusercontent.com/apratim777/apratim777/master/homeprices.csv"
df= pd.read_csv(url)
print(df)
```

```
   area   price
0  2600  550000
1  3000  565000
2  3200  610000
3  3600  680000
4  4000  725000
```

In [10]:
```
plt.xlabel("area")
plt.ylabel("price")
plt.scatter(df.area,df.price)
```

Out[10]: <matplotlib.collections.PathCollection at 0x211765e1490>



In [11]:
```
reg=linear_model.LinearRegression()
x=df.drop('price',axis='columns')
y=df.price
print(x.shape)
print(y.shape)
```

```
(5, 1)
(5,)
```

In [12]:
```
reg.fit(x,y)
```

Out[12]:
```
▾ LinearRegression

LinearRegression()
```

In [13]:
```
accuracy=reg.score(x,y)
print(accuracy)
```

```
0.9584301138199486
```

In [14]:
```
pre=reg.predict([[3300]])
print(pre.round(2)[0])
```

```
628715.75

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