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

In [2]:
```
import numpy as np
```

In [3]:
```
import pandas as pd
```

In [9]:
```
df=pd.read_csv("C:\\Users\\acer\\Downloads\\housing.csv")
```

In [10]:
```
df
```

Out[10]:

	RM	LSTAT	PTRATIO	MEDV
0	6.575	4.98	15.3	504000.0
1	6.421	9.14	17.8	453600.0
2	7.185	4.03	17.8	728700.0
3	6.998	2.94	18.7	701400.0
4	7.147	5.33	18.7	760200.0
...	...	...	...	...
484	6.593	9.67	21.0	470400.0
485	6.120	9.08	21.0	432600.0
486	6.976	5.64	21.0	501900.0
487	6.794	6.48	21.0	462000.0
488	6.030	7.88	21.0	249900.0

489 rows × 4 columns

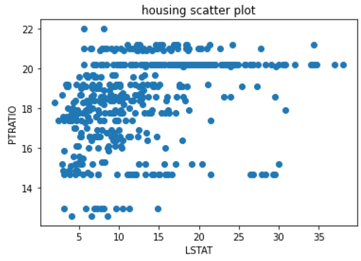
In [11]:
```
df.shape
```

Out[11]:
```
(489, 4)
```

In [12]:
```
x=df.LSTAT
y=df.PTRATIO
```

In [14]:
```
plt.scatter(x,y)
plt.title("housing scatter plot")
plt.xlabel('LSTAT')
plt.ylabel("PTRATIO")
```

Out[14]:
```
Text(0, 0.5, 'PTRATIO')
```

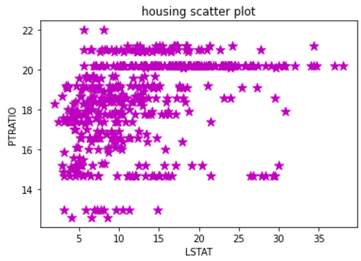


In [16]:
```
plt.scatter(x,y, c="m")
plt.title("housing scatter plot")
plt.xlabel('LSTAT')
plt.ylabel("PTRATIO")
```

Out[16]:
```
Text(0, 0.5, 'PTRATIO')
```

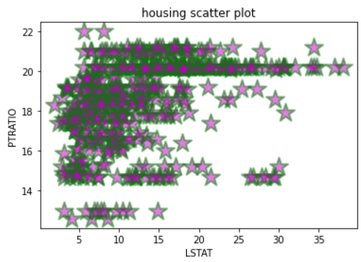
In [22]:
```
plt.scatter(x,y, c="m",marker="*",s=100)
plt.title("housing scatter plot")
plt.xlabel('LSTAT')
plt.ylabel("PTRATIO")
```

Out[22]:
```
Text(0, 0.5, 'PTRATIO')
```



In [29]:
```
plt.scatter(x,y, c="m",marker="*",s=400,alpha=0.5,linewidth=2,edgecolor="g")
plt.title("housing scatter plot")
plt.xlabel('LSTAT')
plt.ylabel("PTRATIO")
```

Out[29]:
```
Text(0, 0.5, 'PTRATIO')
```



In [ ]: