```
In [58]:
```

import numpy as np

In [59]:

import pandas as pd

In [60]:

import matplotlib.pyplot as plt

In [61]:

m=pd.read_excel(r'C:\Users\user\Downloads\cars data.xlsx')

In [62]:

m

Out[62]:

	car_name	frequency	relative_frequency
0	Audi	124	0.37
1	BMW	98	0.24
2	Mercedes	113	0.34
3	Total	335	1.00

In [63]:

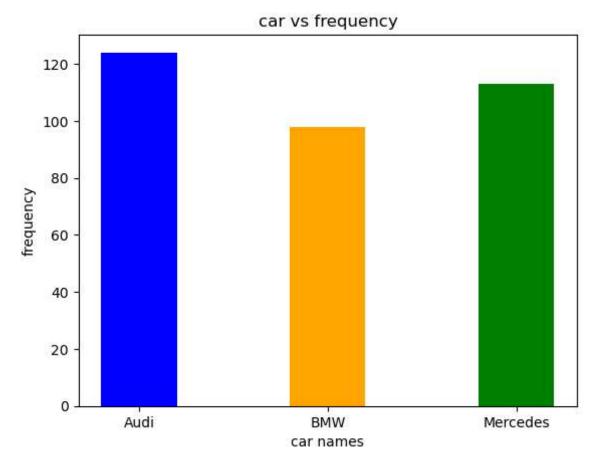
m.shape

Out[63]:

(4, 3)

In [107]:

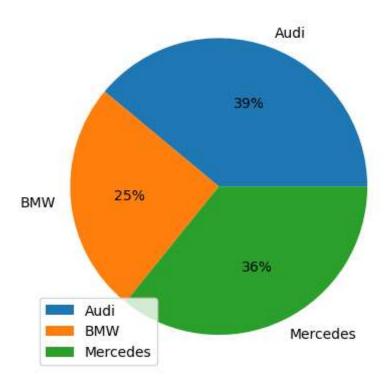
```
plt.bar(m.car_name[:3],m.frequency[:3],color=('blue','orange','green'),width=0.4)
plt.title('car vs frequency')
plt.xlabel('car names')
plt.ylabel('frequency')
plt.show()
```



In [112]:

```
plt.pie(m.relative_frequency[:3],labels=m.car_name[:3],autopct="%1.0f%%")
plt.title("car sales")
plt.legend(loc='lower left')
plt.show()
```

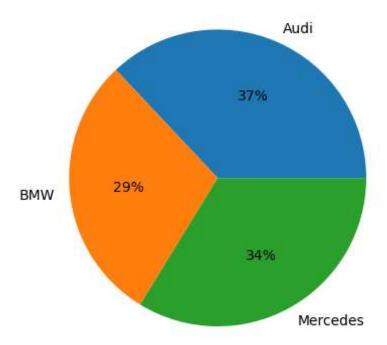
car sales



In [113]:

```
plt.pie(m.frequency[:3],labels=m.car_name[:3],autopct="%1.0f%%")
```

Out[113]:



In []: