```python
import pandas as pd
import sqlalchemy
```

```python
engine = sqlalchemy.create_engine('mysql+pymysql://sha2user:Boot!camp2021!@localhost/ad
```

```python
df = pd.read_csv("puppy.csv")
```

```python
df2 = pd.read_csv('owner.csv')

df2.to_sql(
    name='listofowners',
    con=engine,
    index=False,
    if_exists='append'
)
print(df2)
```

```
       Name    Puppy_ID
0      Owen           1
1    Lauten           2
2       Tan           3
3        RM           4
4      Esca           5
5       Key           6
6       Jei           7
7      BrET           8
8       Kai           9
9       EXO          10
```

```python
df.to_sql(
    name='listofpuppies',
    con=engine,
    if_exists= 'append',
    index= False
)
print(df)
```

```python
df.count()
```

```python
df2.count()
```

```python
colmns = df.columns
print("Number of columns: ", len(colmns))
```

```python
col = df2.columns
print("Number of columns: ", len(col))
```

```python
#count of how many puppies have the given number of spots
grb = df.groupby(['Spots'])['Name'].count()
print(grb)
```