In [1]:

```
```

In [2]:

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns

%matplotlib inline
```

In [3]:

```
advertising = pd.read_csv("test.csv")
advertising
```

Out[3]:

	x	y
0	77	79.775152
1	21	23.177279
2	22	25.609262
3	20	17.857388
4	36	41.849864
...	...	...
295	71	68.545888
296	46	47.334876
297	55	54.090637
298	62	63.297171
299	47	52.459467

300 rows × 2 columns

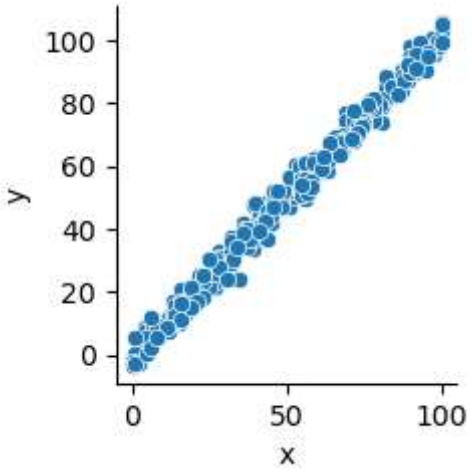
In [4]:
```
# Shape of our dataset
advertising.shape

# Info our dataset
advertising.info()

# Describe our dataset
advertising.describe()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 300 entries, 0 to 299
Data columns (total 2 columns):
 #   Column  Non-Null Count  Dtype  
---  ------  --------------  -----  
 0   x       300 non-null    int64  
 1   y       300 non-null    float64
dtypes: float64(1), int64(1)
memory usage: 4.8 KB
```

Out[4]:

	x	y
count	300.000000	300.000000
mean	50.936667	51.205051
std	28.504286	29.071481
min	0.000000	-3.467884
25%	27.000000	25.676502
50%	53.000000	52.170557
75%	73.000000	74.303007
max	100.000000	105.591837

In [5]:
```
sns.pairplot(advertising, x_vars=['x'], y_vars=['y'])
plt.show()
```



In [6]:
```
sns.heatmap(advertising.corr(), cmap="YlGnBu", annot = True)
plt.show()
```