```
In [1]:
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
In [2]:
d=pd.read_csv("test.csv")
x1=d['x']
y1=d['y']
x=np.array(x1)
y=np.array(y1)
x bar=x.mean()
y_bar=y.mean()
xxyy=x*y
xy=np.array(xxyy)
xy_bar=xy.mean()
x_bar_2=x_bar**2
x 2 = (x**2)
x_2_bar=x_2.mean()
In [3]:
m=((x bar * y bar) - xy bar) / (x bar 2 - x 2 bar)
c=y_bar - (m * x_bar)
print(m)
print (c)
l=len(x)
1.0143353551195178
-0.4618107736611776
In [4]:
ууу=[]
for i in range(1):
    yyy.append(m*x[i]+c)
y_y=np.array(yyy)
```

plt.plot(x,y\_y,c='r')

plt.scatter(x,y)

plt.show()

