Regression & Plotting

Exercise

Create a **Least Square Regression** from the matrix (x, y) in snippet below, then **print** the value of '**m**' and '**c**' from the formula of **"y = mx + c"**. Lastly, Show the **original matrix** and the result of **Least Square Regression** in **one plot** using matplotlib (with legend).

```
x = [1.00, 1.39, 1.78, 2.16, 2.55, 2.94, 3.33, 3.71, 4.10, 4.49, 4.88, 5.27, 5.65, 6.04, 6

y = [5.97, 5.95, 6.13, 6.41, 6.57, 6.30, 5.31, 6.90, 7.30, 7.22, 6.15, 7.77, 7.84, 8.24, 7.
```

Expected output: