Linear regression

Using the gradient regression method to find the linear regression fit between the population of city and the profit, as shown in Figure2. Noted that at the lowest limit to use the existing functions. Please provide the procedure as detail as possible.

```
Data : data1.txt
    X = data[:,0], X-axis : population of city
    Y = data[:,1], y-axis : profit
```
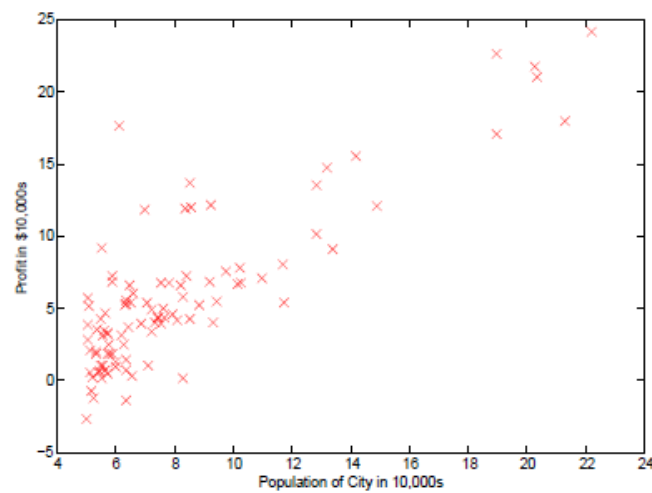

Figure 1: Scatter plot of training data