190301021 – MUSTAFA BERK TAŞKIN

```
import csv
import matplotlib.pyplot as plt


data = []
with open('data.csv', 'r') as f:
  reader = csv.reader(f)
  for row in reader:
    data.append(row)
x = [int(row[0]) for row in data]
y = [int(row[1]) for row in data]
error = 50
y[450] += error
x[450] = 0
b, a = np.polyfit(x, y, 1)
hypothesis = [a + b * xi for xi in x]
plt.scatter(x, y)
plt.plot(x, hypothesis, 'r')
plt.xlabel('x')
plt.ylabel('y')
plt.title('Linear regression with error')
plt.show()
```