```
1 C:\Users\rachaellnihalaani\anaconda3\envs\LogisticRegression\python.
   exe C:\Users\rachaellnihalaani\PycharmProjects\LogisticRegression\main
 2 Logistic Regression
 4 Maximum A Posteriori (MAP) Estimation
 5 After 100 epochs,
 6 For Variance = 0.01:
 7 Training Error: 0.1147, Test Error: 0.1200
 9 For Variance = 0.1:
10 Training Error: 0.0528, Test Error: 0.0740
12 For Variance = 0.5:
13 Training Error: 0.0424, Test Error: 0.0500
14
15 For Variance = 1:
16 Training Error: 0.0424, Test Error: 0.0440
17
18 For Variance = 3:
19 Training Error: 0.0459, Test Error: 0.0520
20
21 For Variance = 5:
22 Training Error: 0.0470, Test Error: 0.0560
23
24 For Variance = 10:
25 Training Error: 0.0401, Test Error: 0.0460
26
27 For Variance = 100:
28 Training Error: 0.0390, Test Error: 0.0440
29
30
31
32 Maximum Likelihood (ML) Estimation
33 After 100 Epochs,
34 For Variance = 0.01:
35 Training Error: 0.0596, Testing Error: 0.0760
36 For Variance = 0.1:
37 Training Error: 0.0390, Testing Error: 0.0480
38 For Variance = 0.5:
39 Training Error: 0.0436, Testing Error: 0.0500
40 For Variance = 1:
41 Training Error: 0.0436, Testing Error: 0.0480
42 For Variance = 3:
43 Training Error: 0.0447, Testing Error: 0.0520
44 For Variance = 5:
45 Training Error: 0.0413, Testing Error: 0.0420
46 For Variance = 10:
47 Training Error: 0.0459, Testing Error: 0.0560
48 For Variance = 100:
49 Training Error: 0.0413, Testing Error: 0.0480
51 Process finished with exit code 0
```