- Problem 9.

ML Algorithm	Accuracy	F1
Logistic Regression	0.86875	0.73587
Decision Tree	0.80625	0.64520
Random Forest	0.83125	0.62576

- Problem 10.

Number of Trees	F1
5	0.599946
11	0.582149
17	0.642031

The random forest with 17 trees seems to be the best choice.