

ML ASSIGNMENT 2

SOURIN MUKHERJEE (2105833)

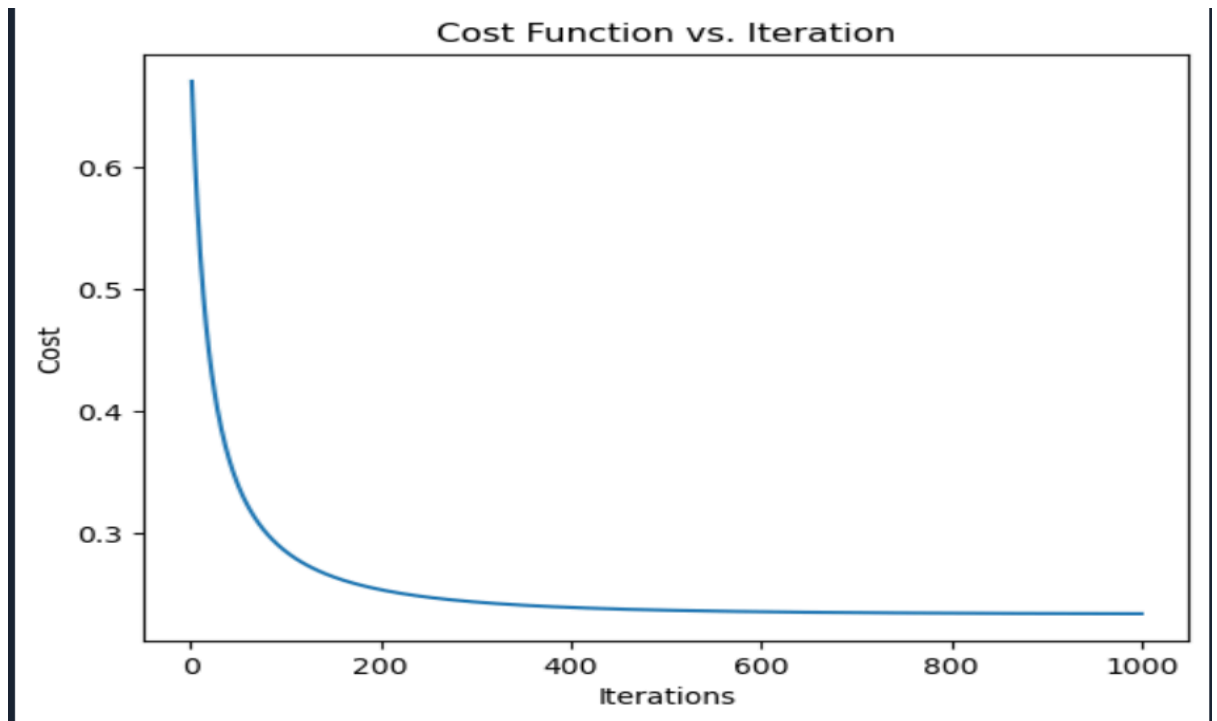
Question 1

Cost function value = 0.23

learning parameter value = [0, 2.31, -2.43]

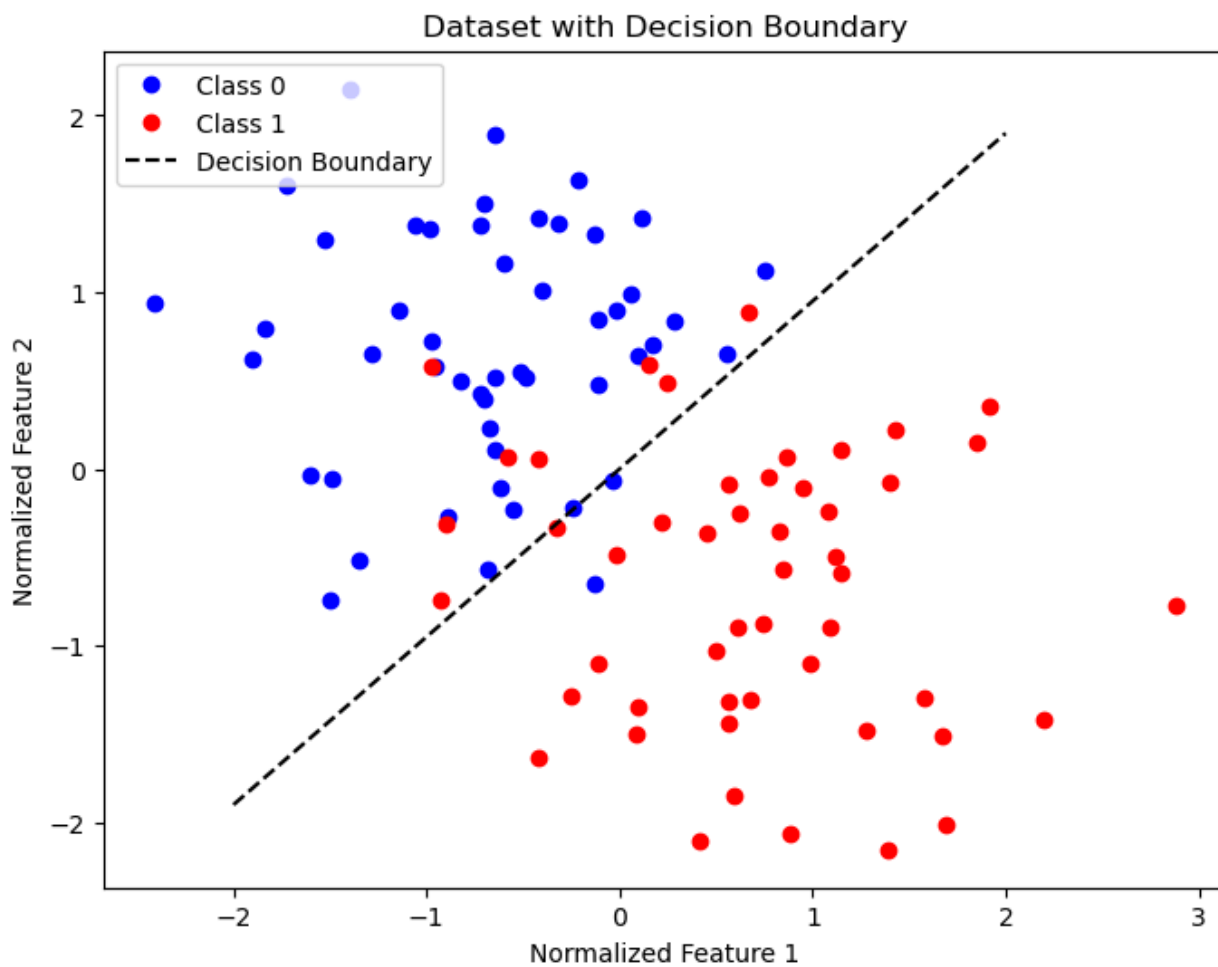
```
Final Cost Function Value: 0.23  
Final Parameters (theta): [ 0.    2.31 -2.43]
```

Question 2



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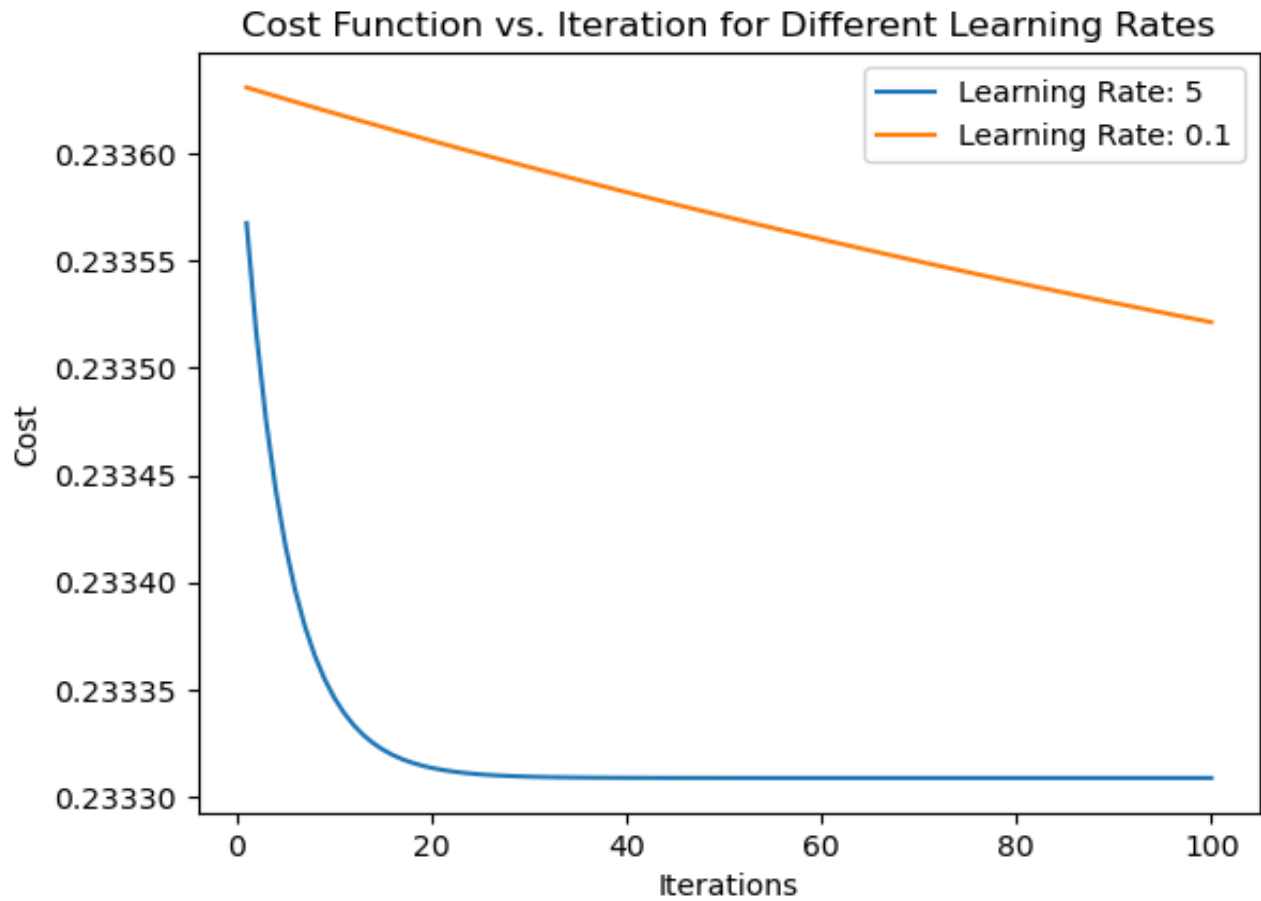
Question 3



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Question 4



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Question 5

Confusion Matrix:

	POSITIVE	NEGATIVE
POSITIVE	TP (42)	FP (2)
NEGATIVE	FN (8)	TN (48)

Metrics (in percentage):

Accuracy: 90.0

Precision: 95.45454545454545

Recall: 84.0

F1-score: 89.36170212765958

GITHUB LINK - <https://github.com/i-am-faith/ML-ASSIGNMENT-2>

REPORT FILE - <https://shorturl.at/txFHS>