

## ML ASSIGNMENT 2

### MONALISA PRIYADARSINI SWAIN (21052910)

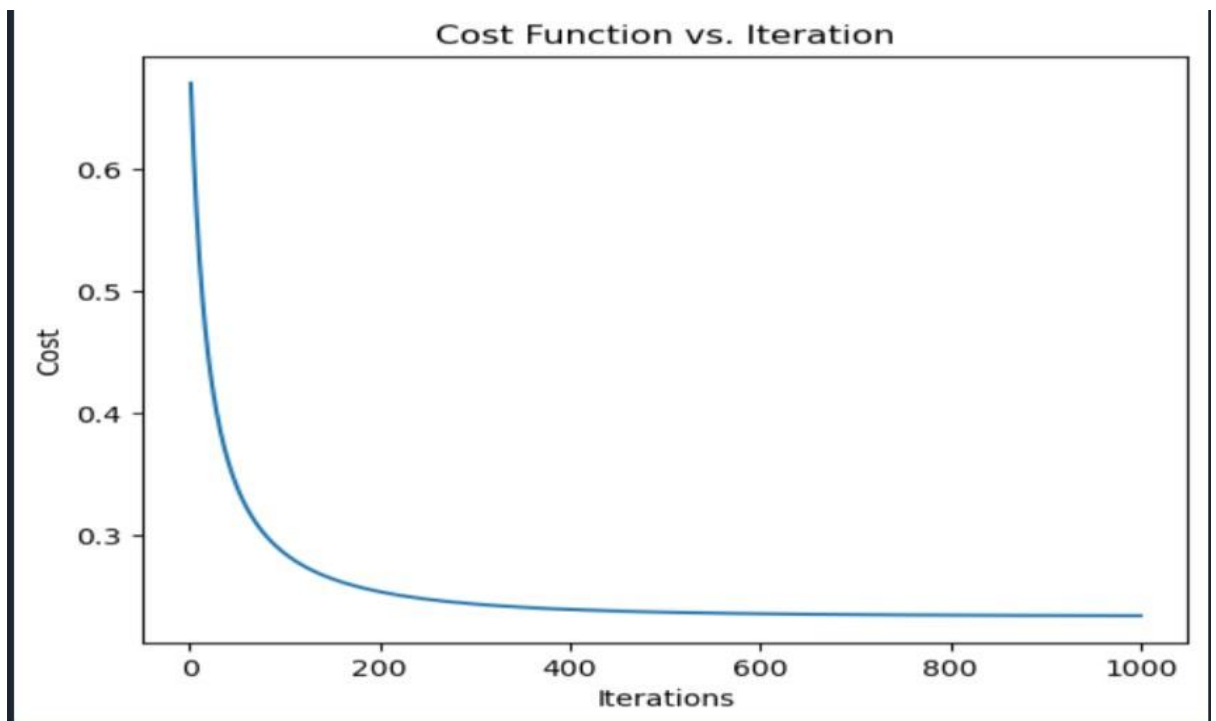
#### Question 1

Cost function value = 0.23

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

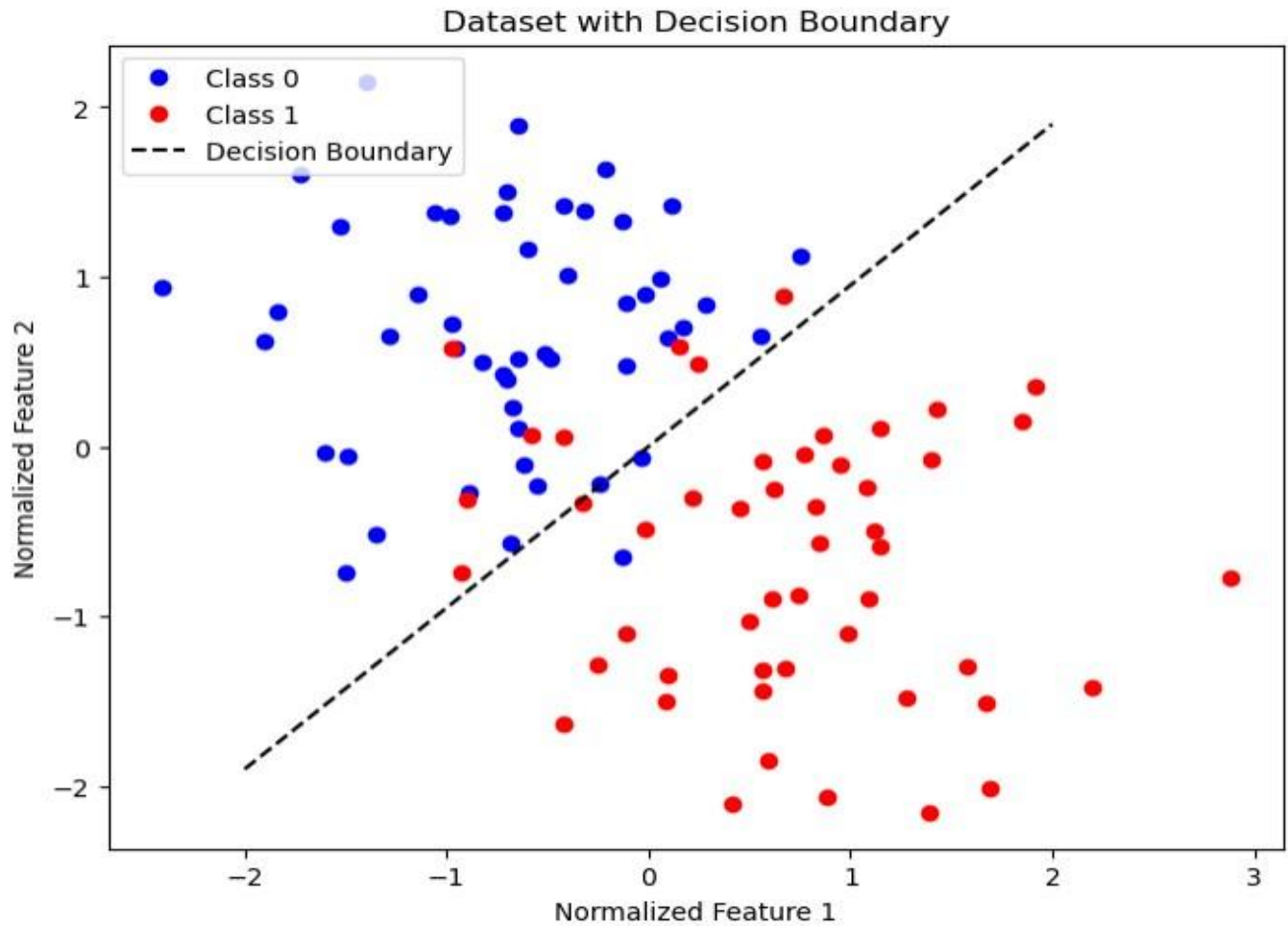
```
Final Cost Function Value: 0.23  
Final Parameters (theta): [ 0.    2.31 -2.43]
```

#### Question 2



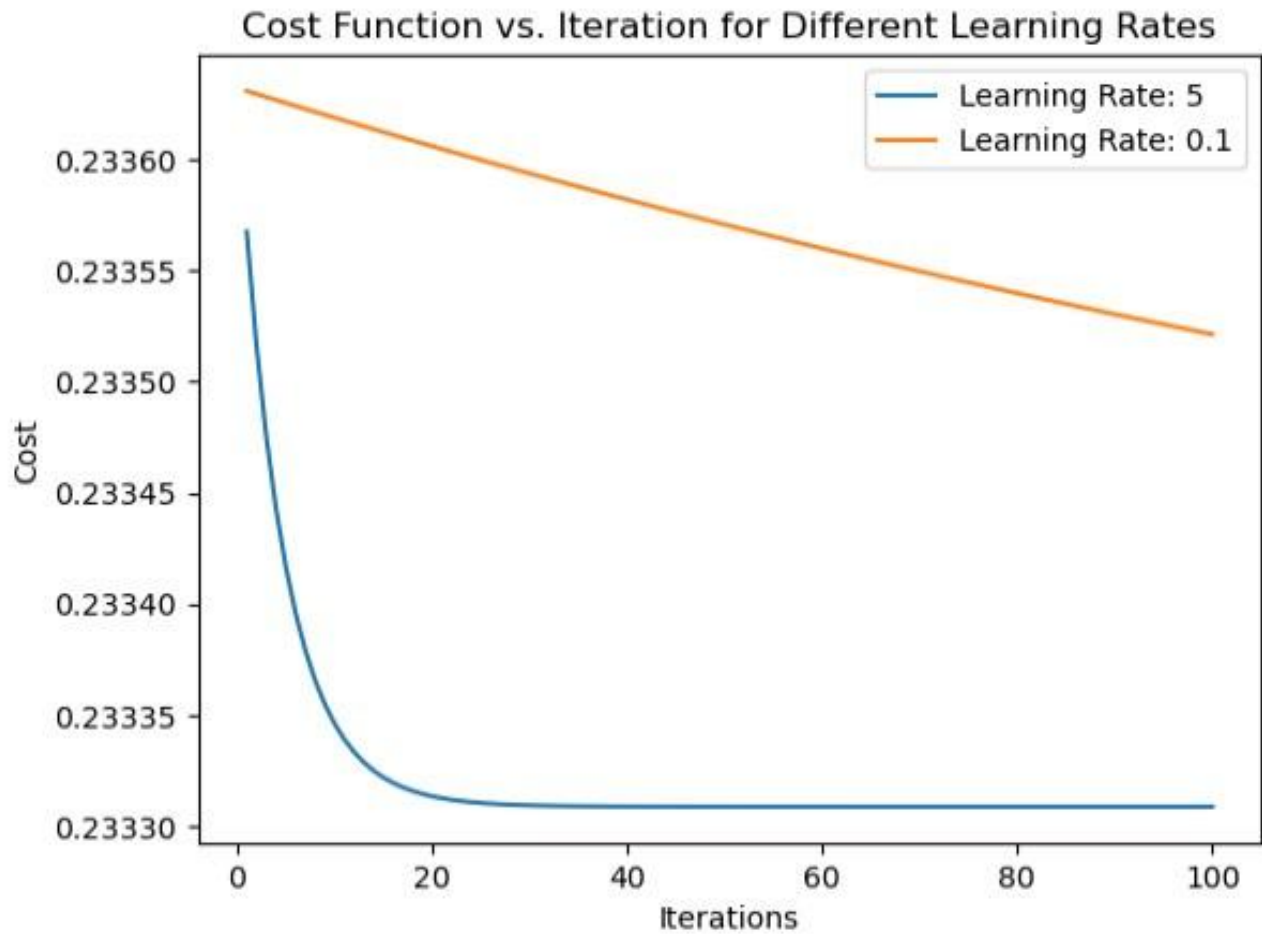
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**Question 3**



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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

F1-score: 89.36170212765958

**GITHUB LINK - <https://github.com/monsalisa/ML-Assignment.2-2910->**