

ML ASSIGNMENT-2

Nirish Singh (21053212)

Q1)

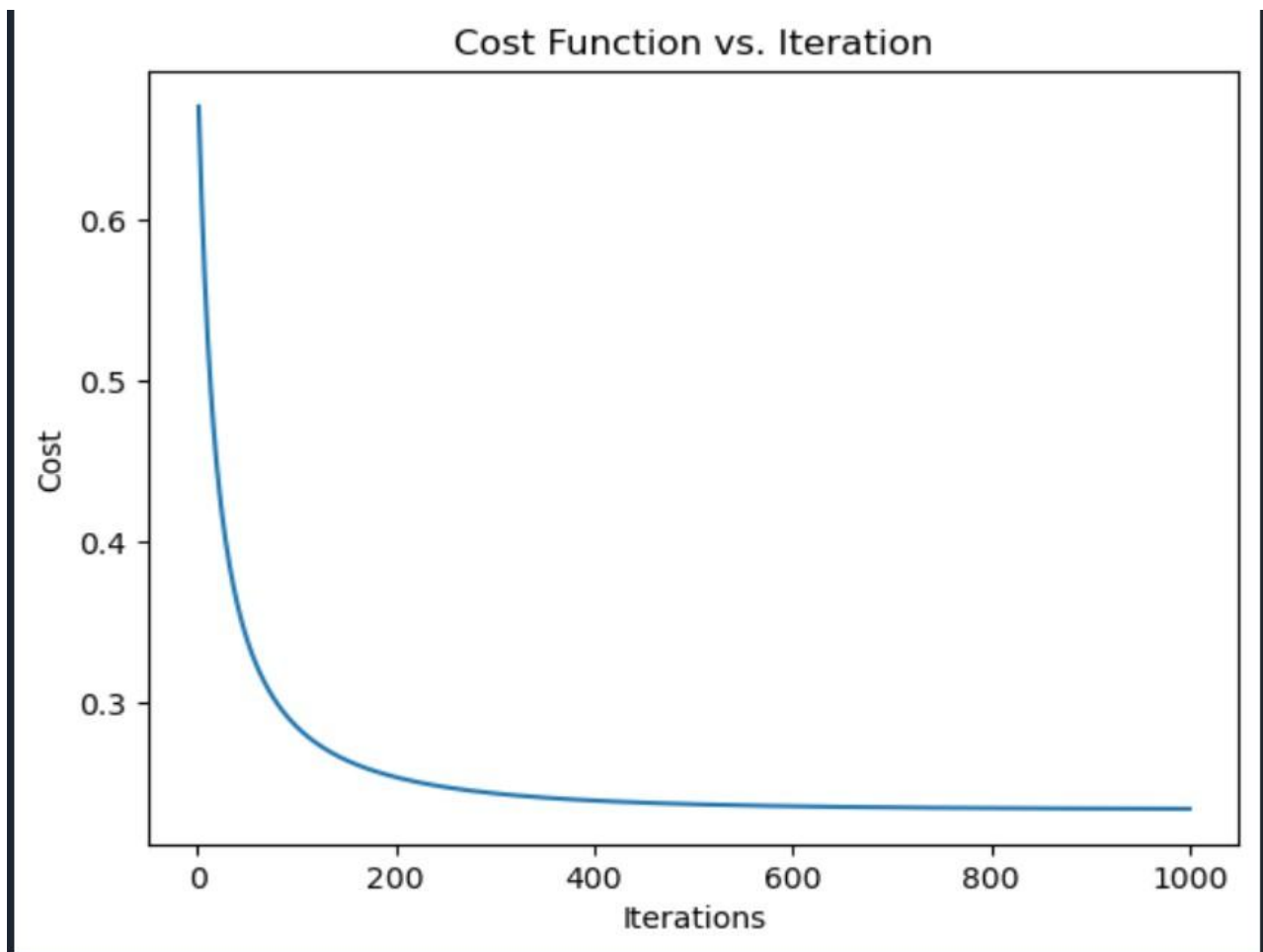
Cost function value = 0.23

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

```
Final Cost Function Value: 0.23
```

```
Final Parameters (theta): [ 0.    2.31 -2.43]
```

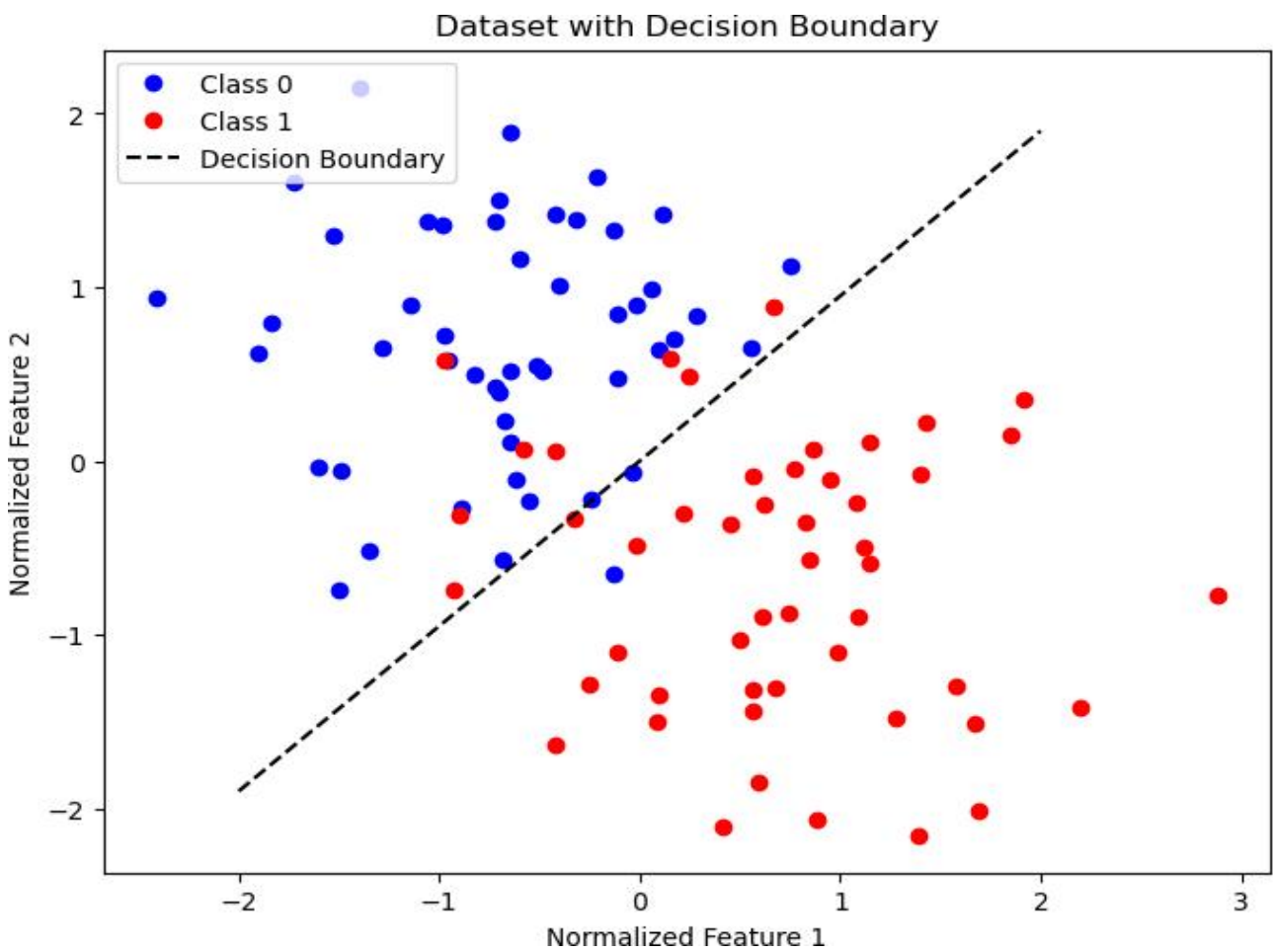
Q2)



ML ASSIGNMENT-2

Nirish Singh (21053212)

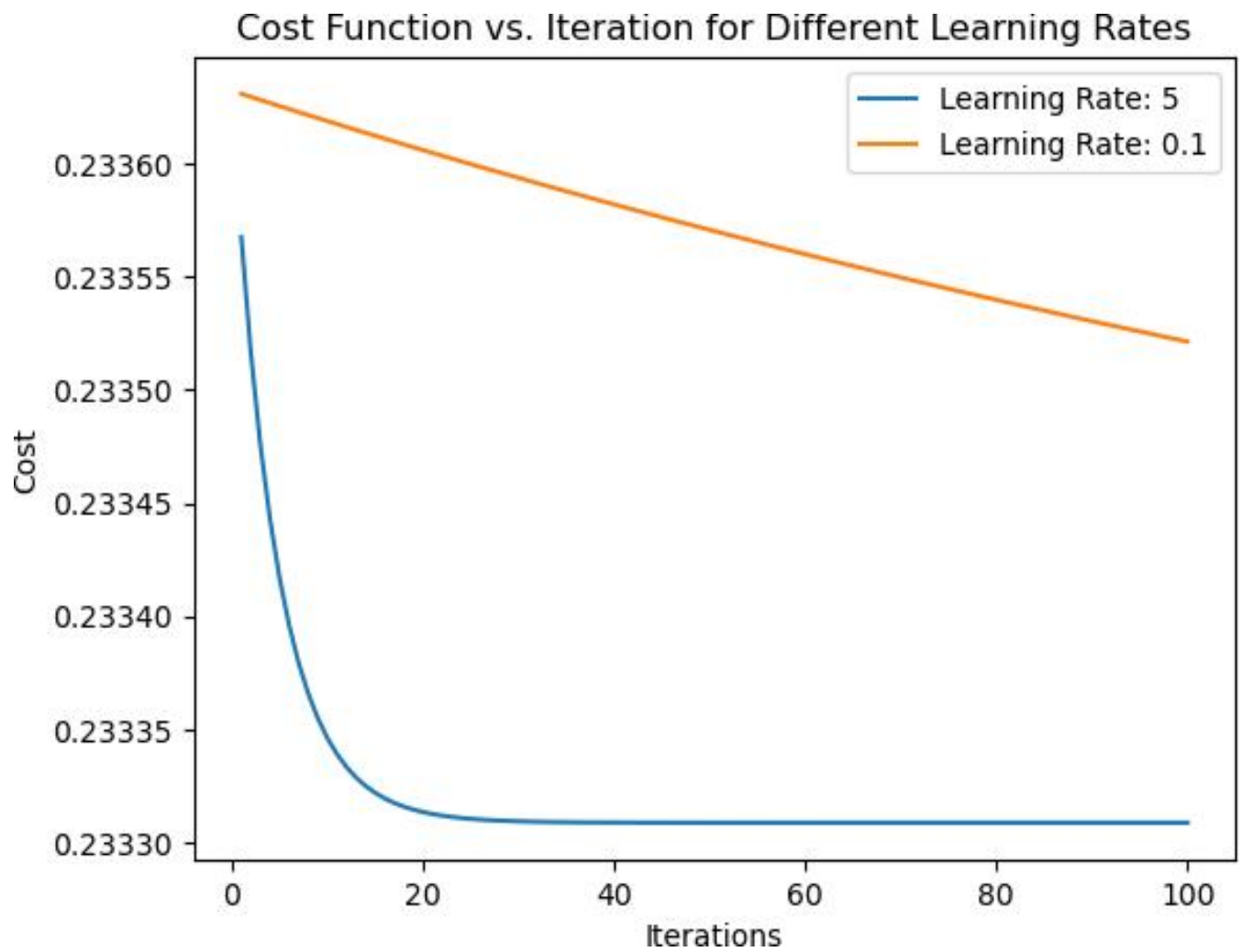
Q3)



ML ASSIGNMENT-2

Nirish Singh (21053212)

Q4)



ML ASSIGNMENT-2

Nirish Singh (21053212)

Q5)

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/3212-NirishSingh/ML_Assignment-2