

CSE 102 Spring 2024 –Computer Programming Assignment 2

Youtube : <https://youtu.be/oWZEmbji5gQ>

```
1. Explore Data:  
2. Train Model:  
3. Test Model:  
4. Exit:  
Enter your choice:
```

```
Minimum and Maximum X and Y values:  
Class 0: X in [1,48], Y in [3,45]  
Class 1: X in [5,49], Y in [0,49]  
1. Explore Data:  
2. Train Model:  
3. Test Model:  
4. Exit:  
Enter your choice: █
```

```
Minimum Error: 14  
Separator Coordinates: (15, 27)  
Labels of the regions: R1 = 1, R2 = 1, R3 = 0, R4 = 1  
1. Explore Data:  
2. Train Model:  
3. Test Model:  
4. Exit:  
Enter your choice: █
```

```
Success rate: 75.000000  
[26,31] Class is 0  
[27,15] Class is 1  
[22,48] Class is 0  
[13,27] Class is 1  
[27,27] Class is 0  
[25,32] Class is 0  
[3,30] Class is 1  
[5,8] Class is 1  
[41,45] Class is 0  
[23,29] Class is 0  
[29,12] Class is 1  
[10,43] Class is 1  
[45,5] Class is 1
```

```
1. Explore Data:  
2. Train Model:  
3. Test Model:  
4. Exit:  
Enter your choice: 4  
Exiting...
```