Output of KNN

_____From Scratch_____

Input X coordinate

6

Enter Y coordinate

6

(6, 6)

Size of array : 6

Choosen value of K : 3

[(2.0, 0), (2.0, 0), (2.8284271247461903, 1), (4.0, 1), (4.47213595499958, 0), (4.47213595499958, 0)]

Point (6, 6) belongs to Negative class

[(2.0, 0), (2.0, 0), (2.8284271247461903, 1), (4.0, 1), (4.47213595499958, 0), (4.47213595499958, 0)]

0

_____Using Lyb Function_____

```
   x  y    class
0  2  4  negative
1  4  6  negative
2  4  4  positive
3  4  2  negative
4  6  4  negative
5  6  2  positive
[[2 4]
 [4 6]
 [4 4]
 [4 2]
 [6 4]
 [6 2]]
```

['negative' 'negative' 'positive' 'negative' 'negative' 'positive']

General KNN ['negative']

Distance Weighted KNN ['negative']

Data points