For K = 1 Average of Validations 96.00000000000001
Confusion Matrix :
 [[50 0 0]
 [0 47 3]
 [0 3 47]]

For K = 3 Average of Validations 94.66666666666666
Confusion Matrix :
 [[50 0 0]
 [0 46 4]
 [0 4 46]]

For K = 5 Average of Validations 93.33333333333334
Confusion Matrix :
 [[50 0 0]
 [0 45 5]
 [0 5 45]]

For K = 7 Average of Validations 93.33333333333334
Confusion Matrix :
 [[50 0 0]
 [0 45 5]
 [0 5 45]]

For K = 9 Average of Validations 93.33333333333334
Confusion Matrix :
 [[50 0 0]
 [0 46 4]
 [0 6 44]]

For K = 11 Average of Validations 93.33333333333334
Confusion Matrix :

```
[[50  0  0]
 [ 0 45  5]
 [ 0  5 45]]
```

For K = 13 Average of Validations 94.0
Confusion Matrix :
```
[[50  0  0]
 [ 0 45  5]
 [ 0  4 46]]
```

For K = 17 Average of Validations 92.66666666666667
Confusion Matrix :
```
[[50  0  0]
 [ 0 45  5]
 [ 0  6 44]]
```

For K = 21 Average of Validations 92.0
Confusion Matrix :
```
[[50  0  0]
 [ 0 45  5]
 [ 0  7 43]]
```

For K = 23 Average of Validations 92.66666666666667
Confusion Matrix :
```
[[50  0  0]
 [ 0 45  5]
 [ 0  6 44]]
```

For K = 25 Average of Validations 91.33333333333333
Confusion Matrix :

```
[[50  0  0]
 [ 0 45  5]
 [ 0  8 42]]
```

For K = 27 Average of Validations 90.66666666666667
Confusion Matrix :

```
[[50  0  0]
 [ 0 44  6]
 [ 0  8 42]]
```

For K = 29 Average of Validations 90.66666666666667
Confusion Matrix :

```
[[50  0  0]
 [ 0 44  6]
 [ 0  8 42]]
```

For K = 31 Average of Validations 90.0
Confusion Matrix :

```
[[50  0  0]
 [ 0 43  7]
 [ 0  8 42]]
```

For K = 33 Average of Validations 89.33333333333333
Confusion Matrix :

```
[[50  0  0]
 [ 0 43  7]
 [ 0  9 41]]
```

For K = 35 Average of Validations 87.99999999999999
Confusion Matrix :

```
[[50  0  0]
 [ 0 43  7]
 [ 0 11 39]]
```

For K = 37 Average of Validations 88.0
Confusion Matrix :
```
[[50  0  0]
 [ 0 43  7]
 [ 0 11 39]]
```

For K = 39 Average of Validations 87.33333333333334
Confusion Matrix :
```
[[50  0  0]
 [ 0 42  8]
 [ 0 11 39]]
```

For K = 41 Average of Validations 86.66666666666667
Confusion Matrix :
```
[[50  0  0]
 [ 0 42  8]
 [ 0 12 38]]
```

For K = 43 Average of Validations 87.33333333333333
Confusion Matrix :
```
[[50  0  0]
 [ 0 43  7]
 [ 0 12 38]]
```

For K = 45 Average of Validations 86.66666666666667
Confusion Matrix :
```
[[50  0  0]
 [ 0 42  8]
```

[0 12 38]]

For K = 47 Average of Validations 86.66666666666667
Confusion Matrix :
 [[50 0 0]
 [0 42 8]
 [0 12 38]]

For K = 49 Average of Validations 86.0
Confusion Matrix :
 [[50 0 0]
 [1 41 8]
 [0 12 38]]

For K = 51 Average of Validations 86.0
Confusion Matrix :
 [[50 0 0]
 [1 41 8]
 [0 12 38]]