```
Decision Tree: When K = 1

Accuracy:= 0.8233982157339822
Confusion Matrix:=
 [[3760  419]
 [ 452  301]]
Correct: 4061
Incorrect: 871
True Positive Rate: 39.97%
True Negative Rate: 89.97%

Decision Tree: When K = 3

Accuracy:= 0.8538118410381184
Confusion Matrix:=
 [[3970  209]
 [ 512  241]]
Correct: 4211
Incorrect: 721
True Positive Rate: 32.01%
True Negative Rate: 95.00%
```

Discussion of results:

We can see that when we used K = 3 it gives us a better accuracy than K = 1 using this training data. And this is because we have a higher number of correct predictions in K = 3 than K = 1 .