16. Spliting the dataset into 75% Training set and 25% Testing set.

17. Now by using the Random Forest Classifier to learn from the training data and see how accurate it is on that data.

18. Now get the accuracy of the model.

```
0.9791288566243194
```

The model is about 97.9% accurate on the training data

19. Now Showing the confusion matrix and accuracy of the model.

```
[[309   1]
 [ 49   9]]
Model Testing Accuracy = "0.8641304347826086!"
```

The model correctly identified 86.41% of the employees that left the company.

20. Now let's see what the model thinks the important features are.

	importance
feature	
MonthlyIncome	0.071
Age_Years	0.067
DailyRate	0.067
MonthlyRate	0.055
HourlyRate	0.052
TotalWorkingYears	0.051
YearsWithCurrManager	0.048
JobRole	0.044
DistanceFromHome	0.042
OverTime	0.040
YearsAtCompany	0.038
PercentSalaryHike	0.038
RelationshipSatisfaction	0.035
EnvironmentSatisfaction	0.032
TrainingTimesLastYear	0.030
NumCompaniesWorked	0.029
YearsInCurrentRole	0.028
MaritalStatus	0.027
JobLevel	0.025
JobSatisfaction	0.025
JobInvolvement	0.024
EducationField	0.024
YearsSinceLastPromotion	0.022
StockOptionLevel	0.020
Education	0.019
WorkLifeBalance	0.018
BusinessTravel	0.014
Gender	0.006

21. Visualizing the importance