



```
In [14]: df['target'] = iris.target  
df.head()
```

Out[14]:

	sepal length (cm)	sepal width (cm)	petal length (cm)	petal width (cm)	target
0	5.1	3.5	1.4	0.2	0
1	4.9	3.0	1.4	0.2	0
2	4.7	3.2	1.3	0.2	0
3	4.6	3.1	1.5	0.2	0
4	5.0	3.6	1.4	0.2	0

```
In [25]: x = df.drop('target', axis = 'columns')  
y = df.target
```

```
In [27]: x_train,x_test,y_train,y_test = train_test_split(x,y,test_size = 0.2)
```

```
In [30]: model = RandomForestClassifier(n_estimators=10)  
model.fit(x_train,y_train)
```

Out[30]: RandomForestClassifier(n\_estimators=10)

```
In [41]: model.score(x_test,y_test)
```

Out[41]: 0.9666666666666667

```
In [40]: model = RandomForestClassifier(n_estimators = 100)  
model.fit(x_train,y_train)
```

Out[40]: RandomForestClassifier()

```
In [42]: model.score(x_train,y_train)
```

Out[42]: 1.0

In [ ]: