In [1]:
```
import pandas as pd
from sklearn.datasets import load_iris
```

In [2]:
```
iris=load_iris()
```

In [8]:
```
df=pd.DataFrame(iris.data,columns=iris.feature_names)
```

In [9]:
```
df.head(4)
```

Out[9]:

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

In [10]:
```
df['target']=iris.target
```

In [11]:
```
df.head(3)
```

Out[11]:

	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

In [12]:
```
x=df.drop('target',axis=1)
```

In [13]:
```
y=df.target
```

In [14]:
```
len(x)
```

Out[14]: 150

In [15]:
```
from sklearn.model_selection import train_test_split
```

In [16]:
```
x_train,x_test,y_train,y_test=train_test_split(x,y,test_size=0.2)
```

In [20]:
```
from sklearn.model_selection import cross_val_score
from sklearn.linear_model import LinearRegression
```

In [28]:
```
cross_val_score(LinearRegression(),x,y)
```

Out[28]:
```
array([0.        , 0.85124923, 0.        , 0.76155439, 0.        ])
```

In [24]:
```
from sklearn.ensemble import RandomForestClassifier
```

In [30]:
```
cross_val_score(RandomForestClassifier(n_estimators=140),x,y)
```

Out[30]:
```
array([0.96666667, 0.96666667, 0.93333333, 0.93333333, 1.        ])
```

In [29]:
```
from sklearn.svm import SVC
```

In [34]:
```
cross_val_score(SVC(C=10),x,y)
```

Out[34]:
```
array([0.98, 1.  , 0.94])
```

In [ ]:
```

```