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In [1]: import numpy as plt
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In [2]: import pandas as pd
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In [3]: df=pd.read_csv('iris.csv')
```

```
In [5]: df.head(2)
```

```
Out[5]:
```

	sepal_length	sepal_width	petal_length	petal_width	species
0	5.1	3.5	1.4	0.2	Iris-setosa
1	4.9	3.0	1.4	0.2	Iris-setosa

```
In [6]: df.isnull().sum()
```

```
Out[6]: sepal_length    0
sepal_width    0
petal_length    0
petal_width    0
species    0
dtype: int64
```

```
In [8]: df.shape
```

```
Out[8]: (150, 5)
```

```
In [11]: X1 = df[['sepal_length','sepal_width','petal_length','petal_width']]
Y1 = df['species']
```

```
In [12]: from sklearn.svm import SVC
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```
In [13]: sv1 = SVC(kernel='linear')
```

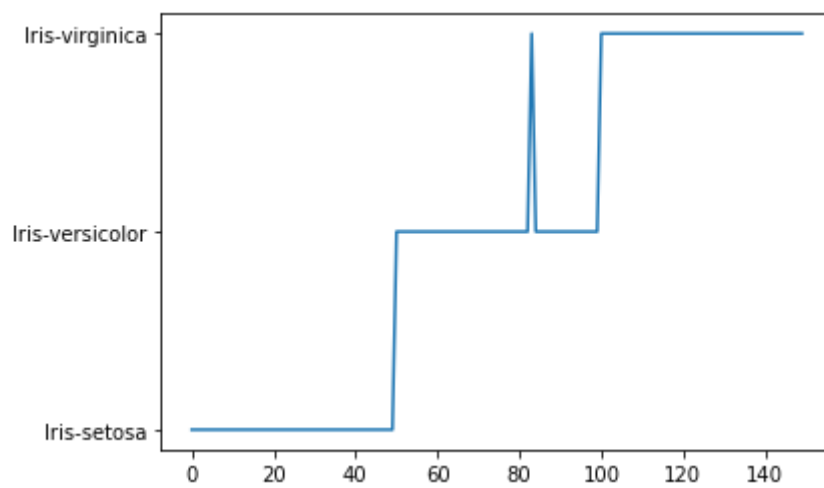
```
In [14]: sv1
```

```
Out[14]: SVC(kernel='linear')
```

```
In [15]: sv1.fit(X1, Y1)
```

```
Out[15]: SVC(kernel='linear')
```

```
In [16]: y_predict1 = sv1.predict(X1)
y_predict1
```

In []: