1- Loading Libraries

```python
In [1]: from sklearn import datasets,neighbors,preprocessing
        from sklearn.model_selection import train_test_split
        from sklearn.metrics import accuracy_score
```

2- Loading Data

```python
In [3]: iris = datasets.load_iris()
```

3- Defining X,y

```python
In [5]: X, y = iris.data[:,:2],iris.target
        X_train, X_test, y_train, y_test = train_test_split(X, y, random_state = 33)
```

4- Preprocessing

```python
In [6]: scaler = preprocessing.StandardScaler().fit(X_train)
        X_train = scaler.transform(X_train)
        X_test = scaler.transform(X_test)
```

5- Model Definition

```python
In [7]: knn = neighbors.KNeighborsClassifier(n_neighbors=5)
```

6- Model Learning

```python
In [9]: knn.fit(X_train,y_train)
```

```
Out[9]: KNeighborsClassifier(algorithm='auto', leaf_size=30, metric='minkowski',
                  metric_params=None, n_jobs=1, n_neighbors=5, p=2,
                  weights='uniform')
```

7- Prediction

```python
In [10]: y_pred = knn.predict(X_test)
```

8- Model Evaluation

In [11]:
```python
accuracy_score(y_test, y_pred)
```

Out[11]: 0.631578947368421