```
In [16]: import pandas as pd
          from sklearn.model selection import train test split
          from sklearn.ensemble import RandomForestClassifier
          from sklearn.metrics import accuracy_score
In [17]: data = pd.read_csv("Iris.csv")
          data
Out[17]:
                 Id SepalLengthCm SepalWidthCm PetalLengthCm PetalWidthCm
                                                                             Species
            0
                                            3.5
                                                          1.4
                                                                            Iris-setosa
                 2
                              4.9
                                            3.0
                                                          1.4
                                                                       0.2
                                                                            Iris-setosa
            2
                 3
                              4.7
                                            3.2
                                                          1.3
                                                                       0.2
                                                                            Iris-setosa
             3
                 4
                              4.6
                                            3.1
                                                          1.5
                                                                       0.2
                                                                            Iris-setosa
                                                          1.4
             4
                 5
                              5.0
                                            3.6
                                                                       0.2
                                                                           Iris-setosa
           145 146
                              6.7
                                            3.0
                                                          5.2
                                                                       2.3 Iris-virginica
                                            2.5
                                                          5.0
           146 147
                              6.3
                                                                       1.9 Iris-virginica
                              6.5
                                            3.0
                                                          5.2
                                                                       2.0 Iris-virginica
           147
              148
           148
               149
                              6.2
                                            3.4
                                                          5.4
                                                                       2.3 Iris-virginica
          149 150
                              5.9
                                            3.0
                                                          5.1
                                                                       1.8 Iris-virginica
          150 rows × 6 columns
In [18]: data.columns = ['id','sepal length', 'sepal width', 'petal length', 'petal width', 'species']
In [29]: # Split the dataset into training and testing sets
          X = data.drop('species', axis=1)
          y = data['species']
          X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.9, random_state=70)
In [30]: # Train a random forest classifier on the training data
          clf = RandomForestClassifier(n_estimators=100, random_state=42)
          clf.fit(X_train, y_train)
Out[30]: RandomForestClassifier(random_state=42)
In [31]: # Make predictions on the test data
          y_pred = clf.predict(X_test)
In [32]: # Evaluate the model's accuracy
          accuracy = accuracy_score(y_test, y_pred)
          print("Accuracy:", accuracy)
          Accuracy: 0.9925925925925926
 In [ ]:
```