**10. Develop a program to implement KNN classifier model and analyse the model using confusion matrix**

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| # Import necessary modules  **from** sklearn.neighbors **import** KNeighborsClassifier  **from** sklearn.model\_selection **import** train\_test\_split  **from** sklearn.datasets **import** load\_iris    # Loading data  irisData **=** load\_iris()    # Create feature and target arrays  X **=** irisData.data  y **=** irisData.target    # Split into training and test set  X\_train, X\_test, y\_train, y\_test **=** train\_test\_split(               X, y, test\_size **=** 0.2, random\_state**=**42)    knn **=** KNeighborsClassifier(n\_neighbors**=**7)    knn.fit(X\_train, y\_train)  y\_pred=knn.predict(X\_test)    # Calculate the accuracy of the model  print(knn.score(X\_test, y\_test))  print("\nConfusion Matrix is:\n", metrics.confusion\_matrix(y\_test, y\_pred)) |