Machine Learning

Q1. Write a `Machine learning` code to do the following tasks:

 i.   Load the `California housing` dataset.

 ii. Provide statistics for the `["AveRooms", "AveBedrms", "AveOccup", "Population"]`

 iii. Split the dataset into training and testing sets.

Q2. Train a `linear regression` model on the above dataset and evaluate the model performance using metrics like `RMSE`, and `MAE`.

Q3. Write the `Machine learning` program to do the following tasks:

 i.   Load the `Iris dataset`.

 ii. Scale the data

 iii. Split the dataset into training and testing sets.

Q4. Train a `decision tree` model on the above dataset and evaluate model performance using `accuracy, precision, recall,` and `F1 score`.