IMPORTING THE LIBRARIES:

Pandas

Numpy

Matplotlib

LOADING THE DATASET:

Loading the CSV file using pandas.

DATA PREPROCESSING:

1. Checking pair plot for each dataset using seaborn.

2. Visualizing pair plot using heatmap.

3. Next checking the missing data and here there is no missing data in CSV file.

4. When checking the data types we have only floats and integers.ie) Numerical.

5. Seperating the data and assign INPUTS as X & OUTPUTS as Y.

6. Using sklearn module we are importing train\_test\_split module.

7. By using that module we are seperating training data and testing data.

8. Seperate X train and X test using standard scalar module

**MODEL BUILDING:**

1. By importing linear regression algorithm we are predicting the values. Then storing the prediction value in y\_pred.

2. By using the precdiction value we are evaluating.

3. In that evaluation we are finding r2\_score,obtaining r2\_score as 79%.

4. Next we are finding accuracy 1.0.

5. Here we are using the DECISION TREE CLASSIFIER to built the model.

6. By importing confusion matrix module,we are creating confusion matrix from this we got the output.

7. By using roc\_curve,we are finding roc value thats accuracy is 1.0.

APPLICATION BUILDING:

1. Run the application by using flask.

2. Create webpage using HTML and then insert the inputs in webpage.

3. Run the webpage using flask\_app.

4. By getting our inputs flask\_app will predict our module then give output.