1.Import the libraries.

2.Use read\_csv() function of pandas library, which is used to read a csv file and performs various operations on it.

3.use **iloc[ ]**method of Pandas library, used to extract the required rows and columns from the dataset.

4.To create the best line or decision boundary that can segregate n-dimensional space into classes so that we can easily put the new data point in the correct category in the future.

5. The SVM algorithm helps to find the best line or decision boundary; this best boundary or region is called as **a hyperplane**.

6. The dimensions of the hyperplane depend on the features present in the dataset, which means if there are 2 features then hyperplane will be a straight line.

7. If there are 3 features, then hyperplane will be a 2-dimension plane.

8. To create the SVM classifier, import **SVC** class from **Sklearn.svm** library.

**9.**Predict the output for test set. For this, will create a new vector y\_pred.

10. From the data set, the SVM classifier has divided the users into two regions (Purchased or Not purchased).

11. Users who purchased the SUV are in the red region with the red scatter points. And users who did not purchase the SUV are in the green region with green scatter points.

12.The hyperplane has divided the two classes into Purchased and not purchased variable.