

START

STEP 1: Import required libraries

- Import pandas
- Import train\_test\_split
- Import GaussianNB
- Import accuracy\_score and classification\_report

STEP 2: Load dataset

- Read CSV file into dataframe df
- Display column names

STEP 3: Take target column input

- Ask user to enter target column
- IF target column not present
  - Display error and EXIT

STEP 4: Separate features and target

- X = all columns except target
- y = target column

STEP 5: Split dataset

- Divide dataset into training and testing sets
- Use 80% training and 20% testing

STEP 6: Train Naive Bayes model

- Create GaussianNB model
- Train model using training data

STEP 7: Make predictions

- Predict output using test data

STEP 8: Evaluate model

- Calculate accuracy
- Display classification report

END