1. Import `load_iris` from sklearn and perform the following tasks
   a. Perform feature selection.
   b. Build logistic regression model using variables that were narrowed down in step (a).
   c. Measure the accuracy of the model.
   d. Draw a table for all the metrics.
   e. Draw ROC curve for any two class.
   f. Compare with any other two classifiers and write your observations.
   g. Identify the best estimator.

2. Import `load_iris` from sklearn and perform the following tasks
   a. Perform feature selection.
   b. Build Naïve Bayes model using variables that were narrowed down in step (a).
   c. Measure the accuracy of the model.
   d. Draw a table for all the metrics.
   e. Draw ROC curve for any two class.
   f. Compare with any other two classifiers and write your observations.
   g. Identify the best estimator.

3. Import `load_iris` from sklearn and perform the following tasks
   a. Perform feature selection.
   b. Build SVM model using variables that were narrowed down in step (a).
   c. Measure the accuracy of the model.
   d. Draw a table for all the metrics.
   e. Draw ROC curve for any two class.
   f. Compare with any other two classifiers and write your observations.
   g. Identify the best estimator.

4. Import `load_iris` from sklearn and perform the following tasks
   a. Perform feature selection.
   b. Build Decision tree model using variables that were narrowed down in step (a).
   c. Measure the accuracy of the model.
   d. Draw a table for all the metrics.
   e. Draw ROC curve for any two class.
   f. Compare with any other two classifiers and write your observations.
   g. Identify the best estimator.

5. Import `load_diabetes` from sklearn and perform the following tasks
   a. Perform feature selection.
   b. Build Naïve Bayes model using variables that were narrowed down in step (a).
   c. Measure the accuracy of the model.
   d. Draw a table for all the metrics.
   e. Draw ROC curve for any two class.
   f. Compare with any other two classifier and write your observations.
   g. Identify the best estimator.

6. Import `load_diabetes` from sklearn and perform the following tasks
   a. Perform feature selection.
   b. Build Logistic model using variables that were narrowed down in step (a).
   c. Measure the accuracy of the model.
   d. Draw a table for all the metrics.
   e. Draw ROC curve for any two class.
   f. Compare with any other two classifier and write your observations.
   g. Identify the best estimator.

7. Import `load_diabetes` from sklearn and perform the following tasks
   a. Perform feature selection.
   b. Build SVM model using variables that were narrowed down in step (a).
   c. Measure the accuracy of the model.
   d. Draw a table for all the metrics.
   e. Draw ROC curve for any two class.
   f. Compare with any other two classifier and write your observations.
   g. Identify the best estimator.

8. Import `load_diabetes` from sklearn and perform the following tasks
   a. Perform feature selection.
   b. Build Decision Tree model using variables that were narrowed down in step (a).
   c. Measure the accuracy of the model.
   d. Draw a table for all the metrics.
   e. Draw ROC curve for any two class.
   f. Compare with any other two classifier and write your observations.
   g. Identify the best estimator.

9. Import `load_diabetes` from sklearn and perform the following tasks
   a. Perform feature selection.
   b. Build Ensemble model using variables that were narrowed down in step (a).
   c. Measure the accuracy of the model.
   d. Draw a table for all the metrics.
   e. Draw ROC curve for any two class.
   f. Compare with any other two classifier and write your observations.
   g. Identify the best estimator.

10. Import `load_digits` from sklearn and perform the following tasks
   a. Perform feature selection.
   b. Build SVM model using variables that were narrowed down in step (a).
   c. Measure the accuracy of the model.
   d. Draw a table for all the metrics.
   e. Draw ROC curve for any two class.
   f. Compare with any other two classifier and write your observations.
   g. Identify the best estimator.

11. Import **load_digits** from sklearn and perform the following tasks
    a. Perform feature selection.
    b. Build Logistic Regression model using variables that were narrowed down in step (a).
    c. Measure the accuracy of the model.
    d. Draw a table for all the metrics.
    e. Draw ROC curve for any two class.
    f. Compare with any other two classifier and write your observations.
    g. Identify the best estimator.

12. Import **load_digits** from sklearn and perform the following tasks
    a. Perform feature selection.
    b. Build Naïve Bayes model using variables that were narrowed down in step (a).
    c. Measure the accuracy of the model.
    d. Draw a table for all the metrics.
    e. Draw ROC curve for any two class.
    f. Compare with any other two classifier and write your observations.
    g. Identify the best estimator.

13. Import **load wine** from sklearn and perform the following tasks
    a. Perform feature selection.
    b. Build SVM model decision tree using variables that were narrowed down in step (a).
    c. Measure the accuracy of the model.
    d. Draw a table for all the metrics.
    e. Draw ROC curve for any two class.
    f. Compare with any other two classifiers and write your observations.
    g. Identify the best estimator.

14. Import **load wine** from sklearn and perform the following tasks
    a. Perform feature selection.
    b. Build model using ensemble learning using variables that were narrowed down in step (a)
    c. Measure the accuracy of the model.
    d. Draw a table for all the metrics.
    e. Draw ROC curve for any two class.
    f. Compare with any other two classifier and write your observations.
    g. Identify the best estimator.

15. Import **load breast cancer** from sklearn and perform the following tasks
    a. Perform feature selection.
    b. .Build logistic regression model using variables that were narrowed down in step (a).
    c. Measure the accuracy of the model.
    d. Draw a table for all the metrics.
    e. Draw ROC curve.
    f. Compare with any other two classifier and write your observations

16. Import **`load breast cancer`** from sklearn and perform the following tasks
    a. Perform feature selection.
    b. .Build SVM model using variables that were narrowed down in step (a).
    c. Measure the accuracy of the model.
    d. Draw a table for all the metrics.
    e. Draw ROC curve.
    f. Compare with any other two classifier and write your observations

17. Import **`load_boston`** from sklearn and perform the following tasks
    a) Perform feature selection
    b) Build linear regression model using variables that were narrowed down in step (a).
    c) Draw a table for all the metrics.
    d) Compare with any other two regression algorithms and write your observations
    e) Identify the best estimator

18. Import **`load_boston`** from sklearn and perform the following tasks
    a) Perform feature selection
    b) Build LASSO , RIDGE model using variables that were narrowed down in step (a).
    c) Draw a table for all the metrics.
    d) Compare with any other two regression algorithms and write your observations
    e) Identify the best estimator

19. Import **`load_boston`** from sklearn and perform the following tasks
    a) Perform feature selection
    b) Build Gradieant, Polynomial model using variables that were narrowed down in step (a).
    c) Draw a table for all the metrics.
    d) Compare with any other two regression algorithms and write your observations
    e) Identify the best estimator

20. Import **`load linnerud`** from sklearn and perform the following tasks
    a) Perform feature selection
    b) Build linear regression model using variables that were narrowed down in step (a)..
    c) Draw a table for all the metrics.
    d) Compare with any other two regression algorithms and write your observations
    e) Identify the best estimator.

21. Import **`load linnerud`** from sklearn and perform the following tasks
    a) Perform feature selection
    b) Build Lasso and Ridge model using variables that were narrowed down in step (a).
    c) Draw a table for all the metrics.
    d) Compare with any other two regression algorithms and write your observations
    e) Identify the best estimator.

22. Import `load linnerud` from sklearn and perform the following tasks
   a) Perform feature selection
   b) Build Polynomial and Gradient Descent model using variables that were narrowed down in step (a)..
   c) Draw a table for all the metrics.
   d) Compare with any other two regression algorithms and write your observations
   e) Identify the best estimator.

23. Import `load breast cancer` from sklearn and perform the following tasks
   a. Perform feature selection.
   b. Form clusters using K-Means Algorithm.
   c. Figure out if any preprocessing such as scaling would help.
   d. Draw elbow plot and from that figure out optimal value of k.

24. Import `load  diabetes` from sklearn and perform the following tasks
   a. Perform feature selection.
   b. Form clusters using KMeans Algorithm.
   c. Figure out if any preprocessing such as scaling would help.
   d. Draw elbow plot and from that figure out optimal value of k.

25. Import `load breast cancer` from sklearn and perform the following tasks
   a. Perform feature selection.
   b. Form clusters using Hierarchical algorithm.
   c. Figure out if any preprocessing such as scaling would help.
   d. Draw dendogram for different linkage methodslike single (min), complete (max), wardand from that figure out the number of clusters.
   e. Draw a comparision table on different linkage metrics.

26. Import `load iris` from sklearn and perform the following tasks
   a. Perform feature selection.
   b. Form clusters using KMeans Algorithm.
   c. Figure out if any preprocessing such as scaling would help.
   d. Draw elbow plot and from that figure out optimal value of k.

27. Import `load diabetes` from sklearn and perform the following tasks
   a. Perform feature selection.
   b. Form clusters using Hierarchical algorithm.
   c. Figure out if any preprocessing such as scaling would help.
   d. Draw dendogram for different linkage methodslike single (min), complete (max), wardand from that figure out the number of clusters.
   e. Draw a comparision table on different linkage metrics.

28. Import `load_iris` from sklearn and perform the following tasks
   a. Perform feature selection.
   b. Form clusters using Hierarchical algorithm.
   c. Figure out if any preprocessing such as scaling would help.
   d. Draw dendogram for different linkage methodslike single (min), complete (max), wardand from that figure out the number of clusters.
   e. Draw a comparision table on different linkage metrics.

29. Import `load_breast_cancer`from sklearn and perform the following tasks
   a. Perform feature selection.
   b. Form clusters using DBSCAN Algorithm.
   c. Figure out if any preprocessing such as scaling would help.
   d. Draw knee plot and from that figure out optimal value of epsilon and minimum point.

30. Import `load_diabetes` from sklearn and perform the following tasks
   a. Perform feature selection.
   b. Form clusters using DBSCAN Algorithm.
   c. Figure out if any preprocessing such as scaling would help.
   d. Draw knee plot and from that figure out optimal value of epsilon and minimum point.

31. Import `load_Iris` from sklearn and perform the following tasks
   a. Perform feature selection.
   a. Form clusters using DBSCAN Algorithm.
   b. Figure out if any preprocessing such as scaling would help.
   c. Draw knee plot and from that figure out optimal value of epsilon and minimum point.

32. Import **load_boston**from sklearn and perform the following tasks
   a) Perform feature selection
   b) Build gradient descent model without using inbuilt method .
   c) Draw a table for all the metrics.
   d) Compare with any other two regression algorithms and write your observations
   e) Identify the best estimator

33. Import **load_boston**from sklearn and perform the following tasks
   a) Perform feature selection
   b) Build gradient descent model without using inbuilt method .
   c) Draw a table for all the metrics.
   d) Compare with any other two regression algorithms and write your observations
   e) Identify the best estimator

34. Import **load_boston**from sklearn and perform the following tasks
    a) Perform feature selection
    b) Build gradient descent model without using inbuilt method .
    c) Draw a table for all the metrics.
    d) Compare with any other two regression algorithms and write your observations
    e) Identify the best estimator

35. Import **load wine** from sklearn and perform the following tasks
    a. Perform feature selection.
    b. Form clusters using DBSCAN Algorithm.
    c. Figure out if any preprocessing such as scaling would help.
    d. Draw knee plot and from that figure out optimal value of epsilon and minimum point.

36. Import **load wine** from sklearn and perform the following tasks
    a. Perform feature selection.
    b. Form clusters using K-means Algorithm.
    c. Figure out if any preprocessing such as scaling would help.
    d. Draw Elbow plot and from that figure out optimal k.

37. Import **load wine** from sklearn and perform the following tasks
    a. Perform feature selection.
    b. Form clusters using Hierarchical algorithm.
    c. Figure out if any preprocessing such as scaling would help.
    d. Draw dendogram for different linkage methodslike single (min), complete (max), wardand from that figure out the number of clusters.
    e. Draw a comparision table on different linkage metrics.