- At first I imported all the libraries required. Then I loaded the built-in breast cancer dataset given using the load_breast_cancer() function. I considered two variables X, Y which will be the input features and the target variable respectively.
- In the next few lines of the code, I tried to split my data set in to two parts i.e., training and testing data where 20% of the data would be my testing data.
- I used logistic regression model to train the training data set using the built-in logistic Regression() function.
- Using the GridSearchCV() I found the optimal parameters from the hyperparameters defined and fitted the data.
- The best.model_predict is used on the testing data set to give the best model which fits the data. Using the confusion matrix and accuracy score we found the accuracy, sensitivity, specificity of the best model.
- This is the GitHub Repository : https://github.com/akoppulaa/Anurag.git