

PERFORMANCE TESTING

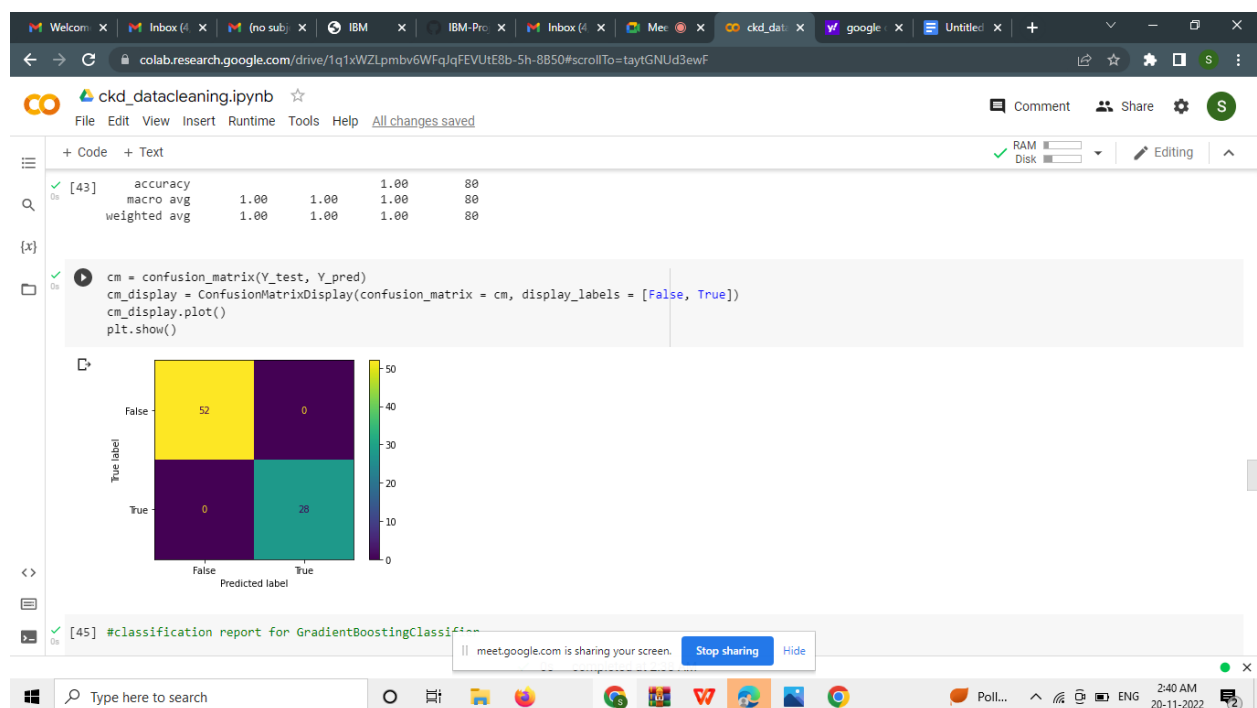
DATE	19 NOVEMBER 2022
TEAM ID	PNT2022TMID26456
PROJECT NAME	PROJECT - Early detection of chronic kidney disease using machine learning
MAXIMUM MARKS	10 marks

MODEL PERFORMANCE TESTING :

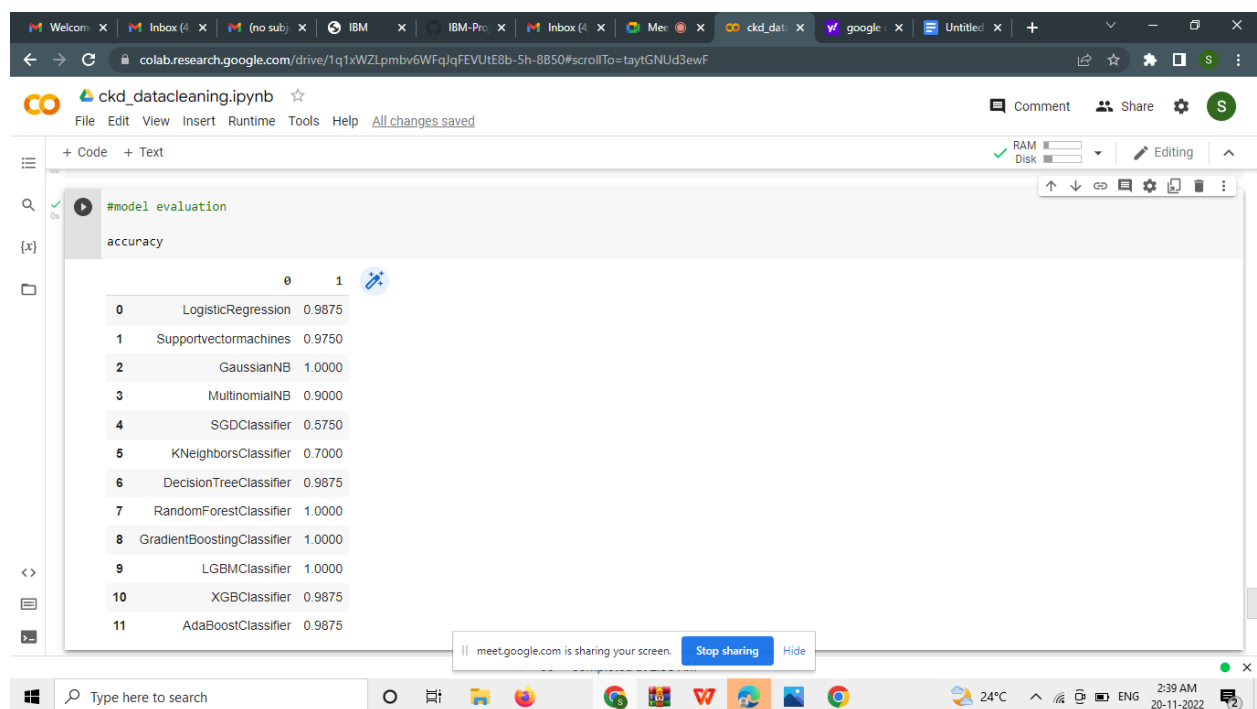
1.EVALUATION METRICS FOR CLASSIFICATION MODEL

- Confusion Matrix
- Accuracy Score
- Classification Report

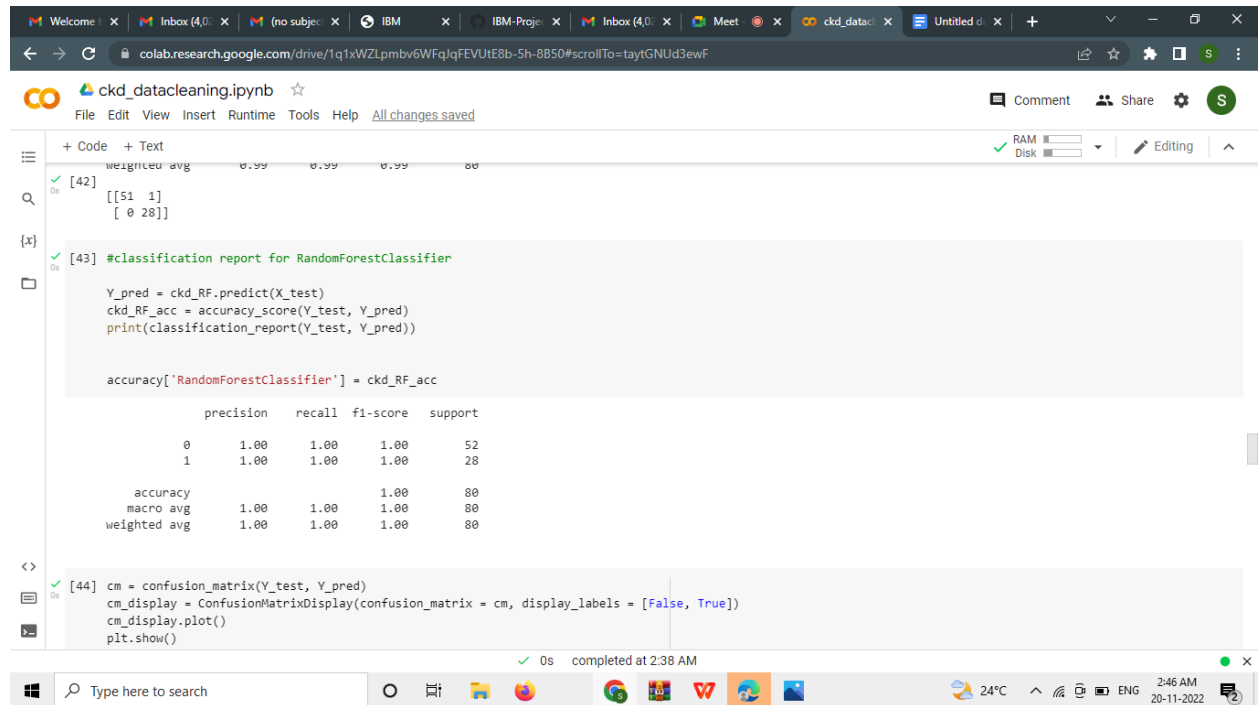
CONFUSION MATRIX :



ACCURAY SCORE :



CLASSIFICATION REPORT :



The screenshot shows a Google Colab notebook titled "ckd_datacleaning.ipynb". The notebook contains two code cells. The first cell, [42], displays a confusion matrix:

```
[[51  1]
 [ 0 28]]
```

The second cell, [43], generates a classification report for a RandomForestClassifier. The report shows the following metrics:

	precision	recall	f1-score	support
0	1.00	1.00	1.00	52
1	1.00	1.00	1.00	28
accuracy			1.00	80
macro avg	1.00	1.00	1.00	80
weighted avg	1.00	1.00	1.00	80

The third cell, [44], generates a confusion matrix display:

```
cm = confusion_matrix(Y_test, Y_pred)
cm_display = ConfusionMatrixDisplay(confusion_matrix = cm, display_labels = [False, True])
cm_display.plot()
plt.show()
```

The notebook interface includes a browser window at the top, a menu bar, and a status bar at the bottom. The status bar shows the notebook is completed at 2:38 AM.