```
C:\Users\HP\PycharmProjects\pythonProject\venv\Scripts\python.exe C:\Users\HP\PycharmProjects\pythonProject\classifiers.py
2024-04-24 02:08:59.037862: I tensorflow/core/util/port.cc:113] oneDNN custom operations are on. You may see slightly different numerical results due to floating-point round-off errors from different computation orders. To turn them off, set the environment variable `TF_ENABLE_ONEDNN_OPTS=0`.
2024-04-24 02:09:05.508188: I tensorflow/core/util/port.cc:113] oneDNN custom operations are on. You may see slightly different numerical results due to floating-point round-off errors from different computation orders. To turn them off, set the environment variable `TF_ENABLE_ONEDNN_OPTS=0`.
Naive Bayes Accuracy: 0.375
Naive Bayes Classification Report:
              precision    recall  f1-score   support

           0       0.43      0.75      0.55         4
           1       0.00      0.00      0.00         4

    accuracy                           0.38         8
   macro avg       0.21      0.38      0.27         8
weighted avg       0.21      0.38      0.27         8

KNN Accuracy: 0.5
KNN Classification Report:
              precision    recall  f1-score   support

           0       0.50      0.50      0.50         4
           1       0.50      0.50      0.50         4

    accuracy                           0.50         8
   macro avg       0.50      0.50      0.50         8
weighted avg       0.50      0.50      0.50         8

Logistic Regression Accuracy: 0.625
Logistic Regression Classification Report:
              precision    recall  f1-score   support

```

```
30              0       0.60      0.75      0.67         4
31              1       0.67      0.50      0.57         4
32
33       accuracy                           0.62         8
34      macro avg       0.63      0.62      0.62         8
35 weighted avg       0.63      0.62      0.62         8
36
37 Decision Tree Accuracy: 0.25
38 Decision Tree Classification Report:
39                precision    recall  f1-score   support
40
41              0       0.00      0.00      0.00         4
42              1       0.33      0.50      0.40         4
43
44       accuracy                           0.25         8
45      macro avg       0.17      0.25      0.20         8
46 weighted avg       0.17      0.25      0.20         8
47
48 Random Forest Accuracy: 0.625
49 Random Forest Classification Report:
50                precision    recall  f1-score   support
51
52              0       0.60      0.75      0.67         4
53              1       0.67      0.50      0.57         4
54
55       accuracy                           0.62         8
56      macro avg       0.63      0.62      0.62         8
57 weighted avg       0.63      0.62      0.62         8
58
59 Traceback (most recent call last):
60   File "C:\Users\HP\PycharmProjects\pythonProject\
   classifiers.py", line 173, in <module>
61     gradient_boost_model.fit(X_train.reshape(X_train.
   shape[0], -1), y_train)
62   File "C:\Users\HP\PycharmProjects\pythonProject\
   venv\Lib\site-packages\sklearn\base.py", line 1474,
   in wrapper
63     return fit_method(estimator, *args, **kwargs)
64            ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
65   File "C:\Users\HP\PycharmProjects\pythonProject\
   venv\Lib\site-packages\sklearn\ensemble\_gb.py", line
```

```
 784, in fit
    n_stages = self._fit_stages(
               ^^^^^^^^^^^^^^^^^
  File "C:\Users\HP\PycharmProjects\pythonProject\venv\Lib\site-packages\sklearn\ensemble\_gb.py", line 880, in _fit_stages
    raw_predictions = self._fit_stage(
                      ^^^^^^^^^^^^^^^^
  File "C:\Users\HP\PycharmProjects\pythonProject\venv\Lib\site-packages\sklearn\ensemble\_gb.py", line 490, in _fit_stage
    tree.fit(
  File "C:\Users\HP\PycharmProjects\pythonProject\venv\Lib\site-packages\sklearn\base.py", line 1474, in wrapper
    return fit_method(estimator, *args, **kwargs)
           ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "C:\Users\HP\PycharmProjects\pythonProject\venv\Lib\site-packages\sklearn\tree\_classes.py", line 1377, in fit
    super()._fit(
  File "C:\Users\HP\PycharmProjects\pythonProject\venv\Lib\site-packages\sklearn\tree\_classes.py", line 472, in _fit
    builder.build(self.tree_, X, y, sample_weight, missing_values_in_feature_mask)
KeyboardInterrupt

Process finished with exit code -1073741510 (0xC000013A: interrupted by Ctrl+C)

```