**Week-2 Assignment mlflow UI**

[Submitted by: Janany VB]

**Installing mlflow and required libraries**

Text

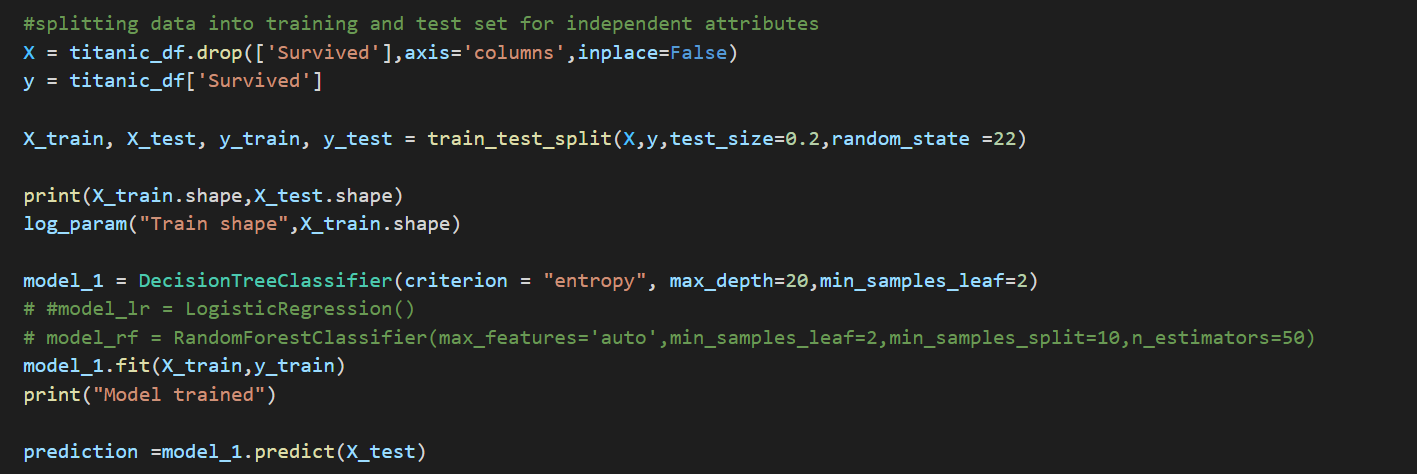
Description automatically generated

**Loading Dataset and Perform basic EDA**

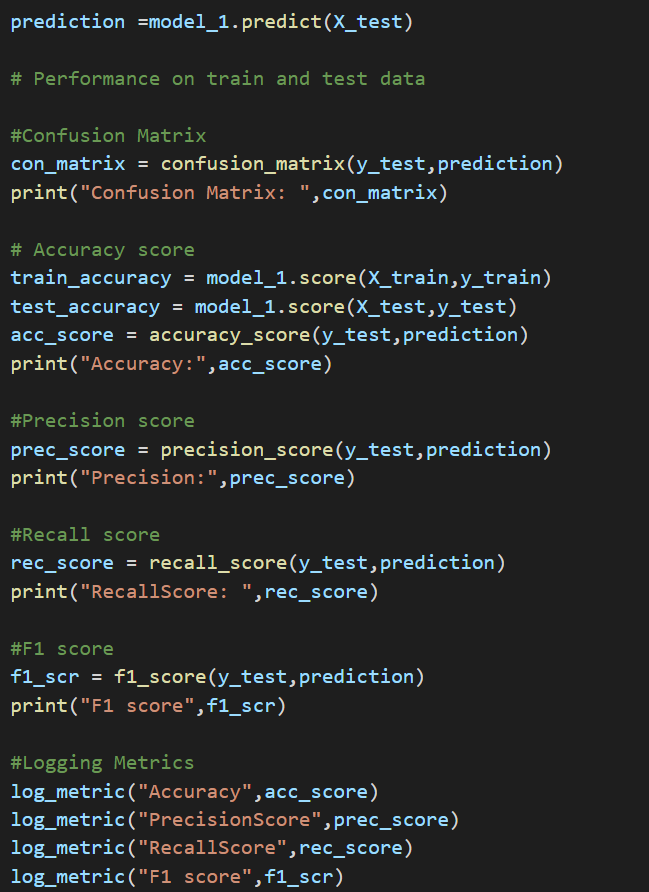
Text

Description automatically generated

**Splitting the Dataset and building Classification model**



**Logging the Parameters and Metrics**

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Text

Description automatically generated

**Tracking the logged parameters in mlflow ui**

Graphical user interface, text

Description automatically generated

A screenshot of a computer

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

**Changing few parameters like train size and max\_depth in DecisionTree model and tracking the changes in mlflow ui**

A screenshot of a computer

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

**Generating a model using Logistic Regression and tracking parameters**

Text

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

**Generating a model using RandomForest Classifier and tracking parameters**

Text

Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

**Comparing the models in mlflow ui**Table

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Graphical user interface, table

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*Observation: Decision Tree classifier model performs better than other compared models for this data set.*

Thank you.