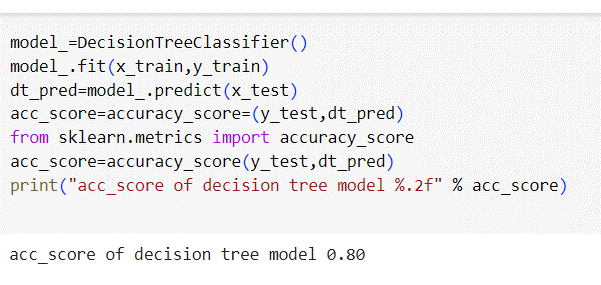
**Model Development Phase Template**

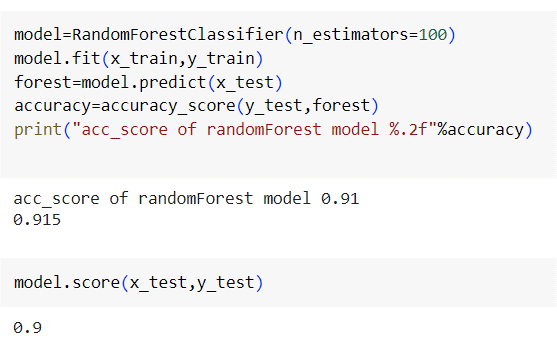
|  |  |
| --- | --- |
| Date | 15 July 2024 |
| Team ID | 739885 |
| Project Title | Golden Harvest: A predictive model for apple quality assurance |
| Maximum Marks | 4 Marks |

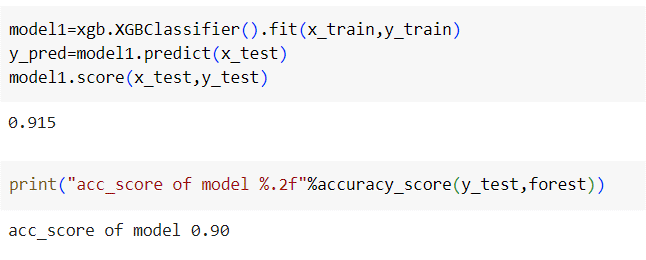
**Initial Model Training Code, Model Validation and Evaluation Report**

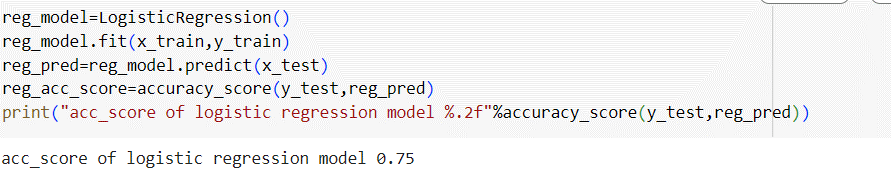
The initial model training code will be showcased in the future through a screenshot. The model validation and evaluation report will include classification reports, accuracy, and confusion matrices for multiple models, presented through respective screenshots.

**Initial Model Training Code:**









**Model Validation and Evaluation Report:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Model** | **Classification Report** | **Accuracy** | **Confusion Matrix** |
| Decision tree |  | 80% | - |
| Random forest |  | 91% | - |
| XGB |  | 90% | - |
| Logistic Regression |  | 75% | - |