Model Development Phase Report

Date	12 July 2024
Team ID	Team - 739883
Project Title	Abalone Age Prediction
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 Model Training and accuracy score, presented through respective screenshots.

Initial Model Training Code:

```
from sklearn.tree import DecisionTreeRegressor
dtr=DecisionTreeRegressor()
dtr.fit(x_train_scaled,y_train)
```

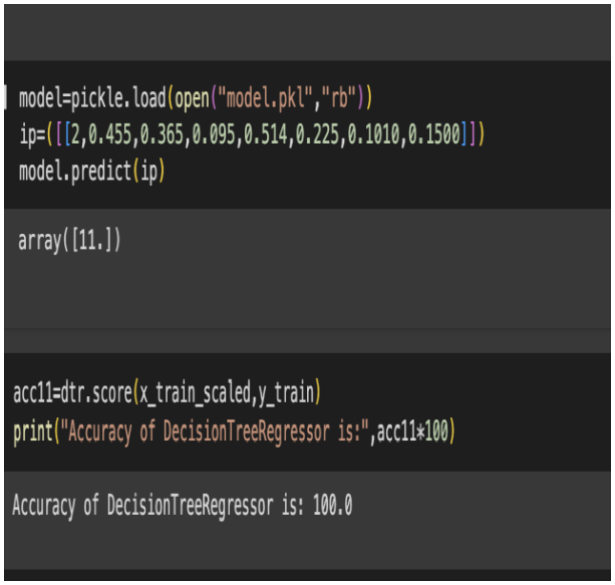
```
▾ DecisionTreeRegressor
DecisionTreeRegressor()
```

```
from sklearn.ensemble import RandomForestRegressor
rfr=RandomForestRegressor()
rfr.fit(x_train_scaled,y_train)
```

```
▾ RandomForestRegressor
RandomForestRegressor()
```

Model Validation and Evaluation Report:

Model	Accuracy Report	Accuracy Score

Decision Tree Regressor		100%
Random Forest Regressor		93%