



Model Development Phase Report

Date	12 July 2024
Team ID	Team - 740292
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)

v DecisionTreeRegressor
DecisionTreeRegressor()

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

v RandomForestRegressor
RandomForestRegressor()
```

Model Validation and Evaluation Report:

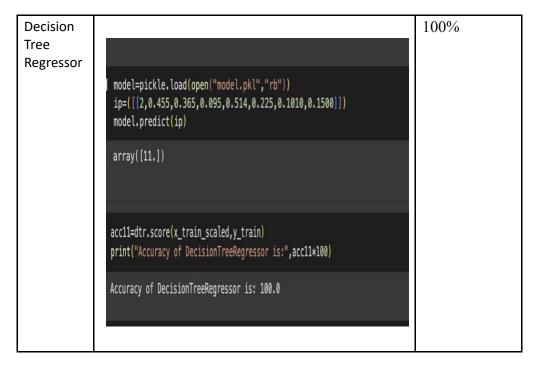




		Accuracy Score
Model	Accuracy Report	







```
Random
Forest
Regressor

Regressor

acc12=rfr.score(x_train_scaled,y_train)
print("Accuracy of RandomForestRegressor is:",acc12*100)

Accuracy of RandomForestRegressor is: 93.51817674152262
```