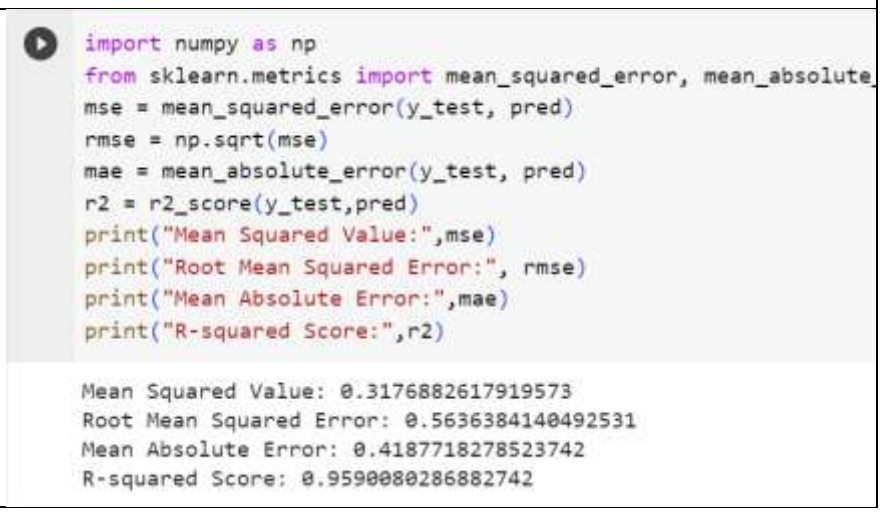
Project Development Phase
Model Performance Test

Date	07-November-2023
Team ID	Team-592963
Project Name	Smart Home – Temperature Prediction
Maximum Marks	10 Marks

Model Performance Testing:

S.No.	Parameter	Values	Screenshot
1.	Metrics	**Regression Model:** MAE , MSE , RMSE , R2 score	

```
import numpy as np
from sklearn.metrics import mean_squared_error, mean_absolute_
mse = mean_squared_error(y_test, pred)
rmse = np.sqrt(mse)
mae = mean_absolute_error(y_test, pred)
r2 = r2_score(y_test,pred)
print("Mean Squared Value:",mse)
print("Root Mean Squared Error:", rmse)
print("Mean Absolute Error:",mae)
print("R-squared Score:",r2)
```

```
Mean Squared Value: 0.3176882617919573
Root Mean Squared Error: 0.5636384140492531
Mean Absolute Error: 0.4187718278523742
R-squared Score: 0.9590080286882742
```