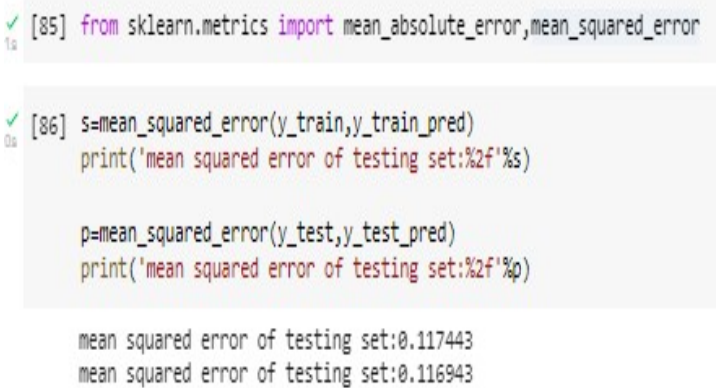
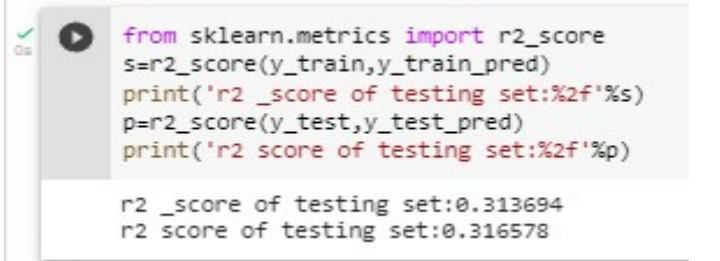


## Project Development Phase Model Performance Test

|               |  |
|---------------|--|
| Date          | 10 November 2022   |
| Team ID       | PNT2022TMID47681   |
| Project Name  | Project – Exploratory Analysis of Rainfall Data in India for Agriculture |
| Maximum Marks | 10 Marks   |

### Model Performance Testing:

Project team shall fill the following information in model performance testing template.

| S.No. | Parameter | Values   | Screenshot  |
|-------|-----------|--|---|
| 1.    | Metrics   | <b>Regression Model:</b><br><b>1.</b> MAE-Linear Regression<br>MSE-Linear Regression<br><br><b>2.</b> R2 score-Linear Regression |  <pre>[85] from sklearn.metrics import mean_absolute_error, mean_squared_error  [86] s=mean_squared_error(y_train,y_train_pred) print('mean squared error of testing set:%2f'%s)  p=mean_squared_error(y_test,y_test_pred) print('mean squared error of testing set:%2f'%p)  mean squared error of testing set:0.117443 mean squared error of testing set:0.116943</pre>  <pre>from sklearn.metrics import r2_score s=r2_score(y_train,y_train_pred) print('r2 _score of testing set:%2f'%s) p=r2_score(y_test,y_test_pred) print('r2 score of testing set:%2f'%p)  r2 _score of testing set:0.313694 r2 score of testing set:0.316578</pre> |

