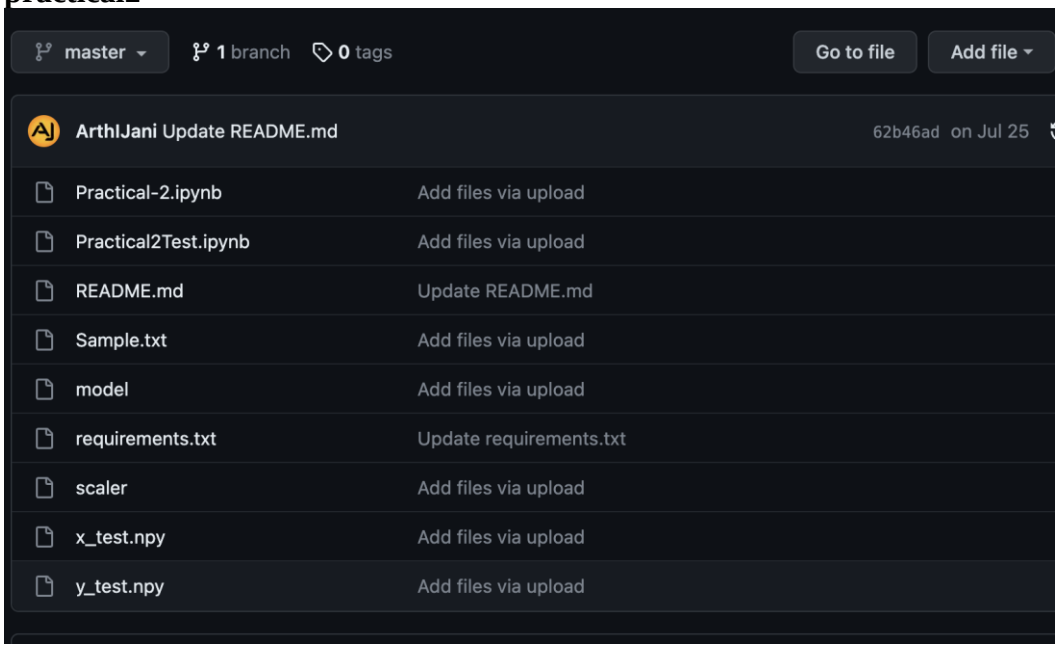
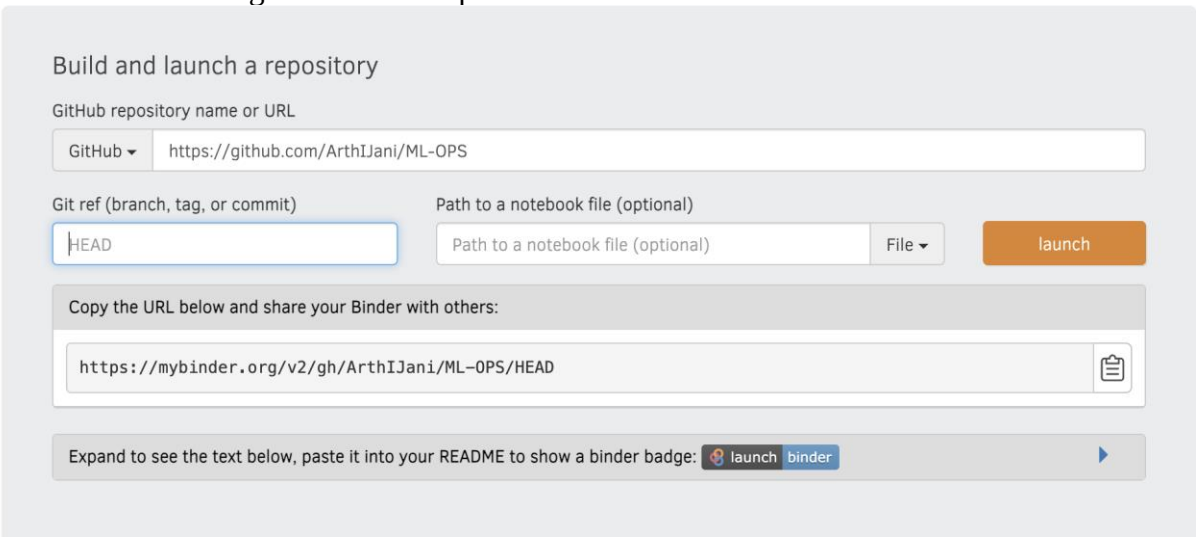
Practical-3

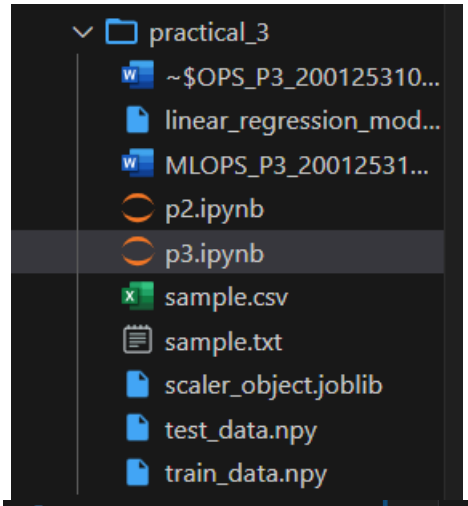
AIM : Generation of Reproducible and Interactive ML Project

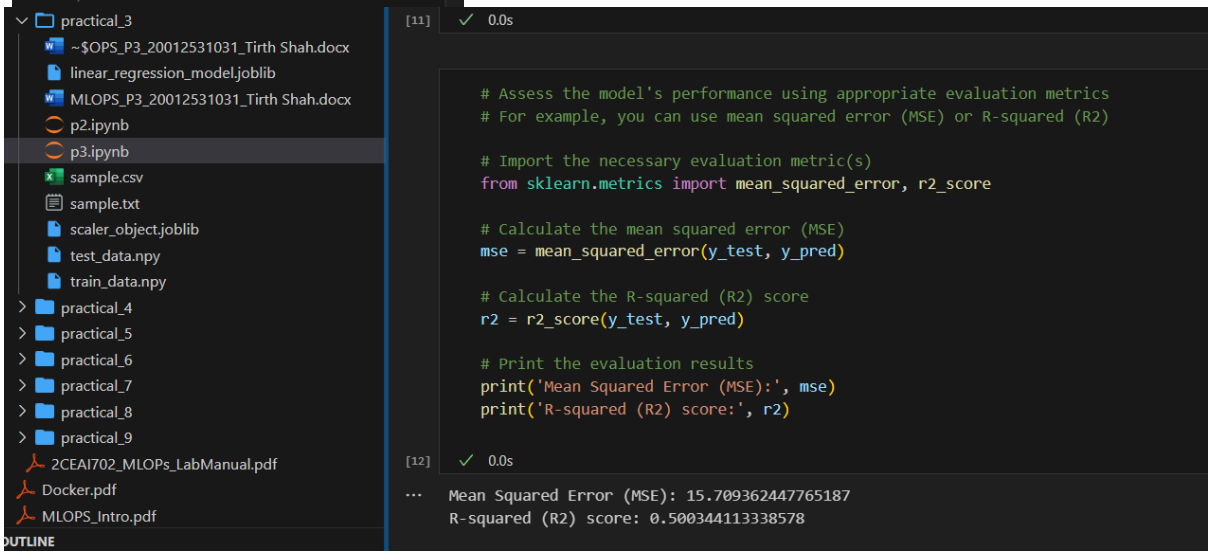
Task 1: Create the Github repository for the house rate prediction project created in practical2



Task 2: Integrate your repository with the binder to make your project interactive. (Hint: refer to the following link for the steps:




practical_3
~$OPS_P3_200125310...
linear_regression_mod...
MLOPS_P3_20012531...
p2.ipynb
p3.ipynb
sample.csv
sample.txt
scaler_object.joblib
test_data.npy
train_data.npy


practical_3
~$OPS_P3_20012531031_Tirth Shah.docx
linear_regression_model.joblib
MLOPS_P3_20012531031_Tirth Shah.docx
p2.ipynb
p3.ipynb
sample.csv
sample.txt
scaler_object.joblib
test_data.npy
train_data.npy
practical_4
practical_5
practical_6
practical_7
practical_8
practical_9
2CEAI702_MLOPs_LabManual.pdf
Docker.pdf
MLOPS_Intro.pdf
OUTLINE
[11] 0.0s
# Assess the model's performance using appropriate evaluation metrics
# For example, you can use mean squared error (MSE) or R-squared (R2)
# Import the necessary evaluation metric(s)
from sklearn.metrics import mean_squared_error, r2_score
# Calculate the mean squared error (MSE)
mse = mean_squared_error(y_test, y_pred)
# Calculate the R-squared (R2) score
r2 = r2_score(y_test, y_pred)
# Print the evaluation results
print('Mean Squared Error (MSE):', mse)
print('R-squared (R2) score:', r2)
[12] 0.0s
Mean Squared Error (MSE): 15.709362447765187
R-squared (R2) score: 0.500344113338578