**Programming for AI (LAB)**

**Task 1**

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**House Price Prediction**

**Description:**

This code implements a complete machine learning pipeline for house price prediction, covering data loading, preprocessing (handling missing values, one-hot encoding), model training, evaluation, and prediction generation. The Random Forest Regressor is used as the model, and the Mean Absolute Error is used as the evaluation metric. The final result is a 'submission.csv' file containing the predicted sale prices for the test dataset.

**Kaggle Submission:**

