output

from sklearn.ensemble import GradientBoostingRegressor

from sklearn.model\_selection import train\_test\_split

from sklearn.metrics import mean\_absolute\_error

import pandas as pd

# Load and prepare data

df = pd.read\_csv('house\_data.csv')

X = df.drop('price', axis=1)

y = df['price']

X\_train, X\_test, y\_train, y\_test = train\_test\_split(X, y, test\_size=0.2)

# Train model

model = GradientBoostingRegressor()

model.fit(X\_train, y\_train)

# Evaluate

preds = model.predict(X\_test)

mae = mean\_absolute\_error(y\_test, preds)

print(f"MAE: {mae:.2f}")