```
import pandas as pd
from sklearn.model_selection import train_test_split
from sklearn.linear_model import LinearRegression
from sklearn.metrics import r2_score

# Sample house data
data = {
"area": [1200, 1500, 1800, 2000, 2500, 3000],
"bedrooms": [2, 3,3, 4, 4, 5],
"bathrooms": [1, 2, 2, 3, 3, 4],
"price": [3000000, 4500000, 5000000, 6500000, 8000000, 10000000]
}

# Create DataFrame
df = pd.DataFrame(data)
```

```
# Features and target
X = df[["area", "bedrooms", "bathrooms"]]
y = df["price"]
# Split data
X_train, X_test, y_train, y_test = train_test_split(
X, y, test_size=0.2, random_state=42
)

# Train model
model = LinearRegression()
model.fit(X_train, y_train)

# Predict
y_pred = model.predict(X_test)
# Accuracy
print("R2 Score:", r2_score(y_test, y_pred))
# Predict new house price
new_house = [[2200, 3, 2]]
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predicted_price = model.predict(new_house)
print("Predicted House Price:", int(predicted_price[0]))
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