```
from sklearn.model_selection import train_test_split
from sklearn.linear_model import LinearRegression
from sklearn.metrics import mean_squared_error
import pandas as pd
import numpy as np



data = {
    'Area': [1200, 1500, 800, 600, 1000],
    'Bedrooms': [2, 3, 1, 1, 2],
    'Age': [10, 15, 20, 5, 10],
    'Price': [240000, 300000, 150000, 100000, 200000]
}
df = pd.DataFrame(data)


X = df[['Area', 'Bedrooms', 'Age']]
y = df['Price']


X_train, X_test, y_train, y_test = train_test_split(X, y,
test_size=0.2, random_state=42)


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


y_pred = model.predict(X_test)
mse = mean_squared_error(y_test, y_pred)
rmse = np.sqrt(mse)


print("Predicted Prices:", y_pred)
print("Root Mean Squared Error:", rmse)
```