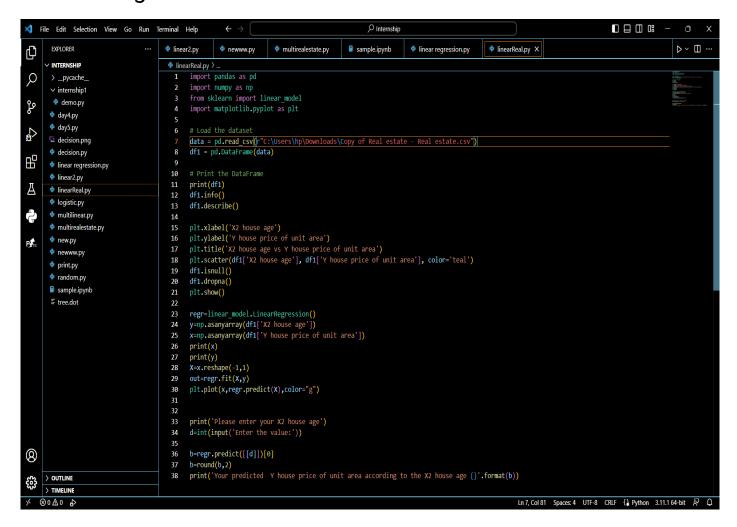
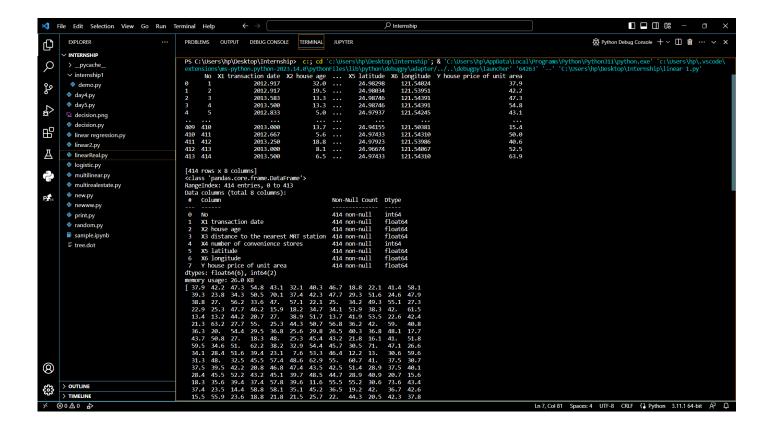
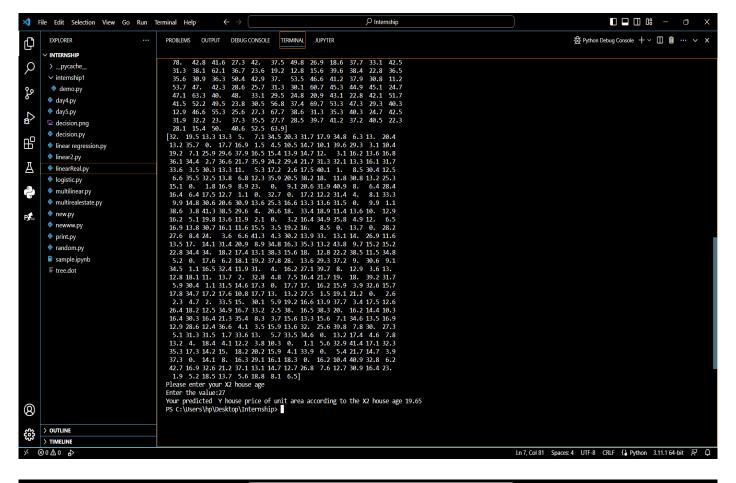
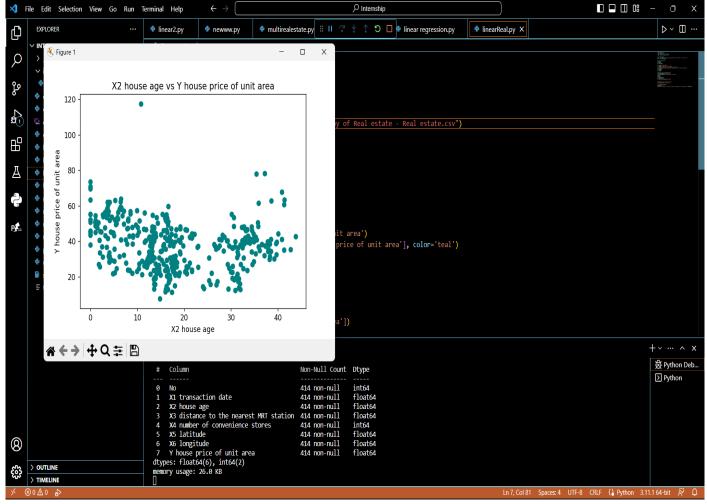
1.Linear regression

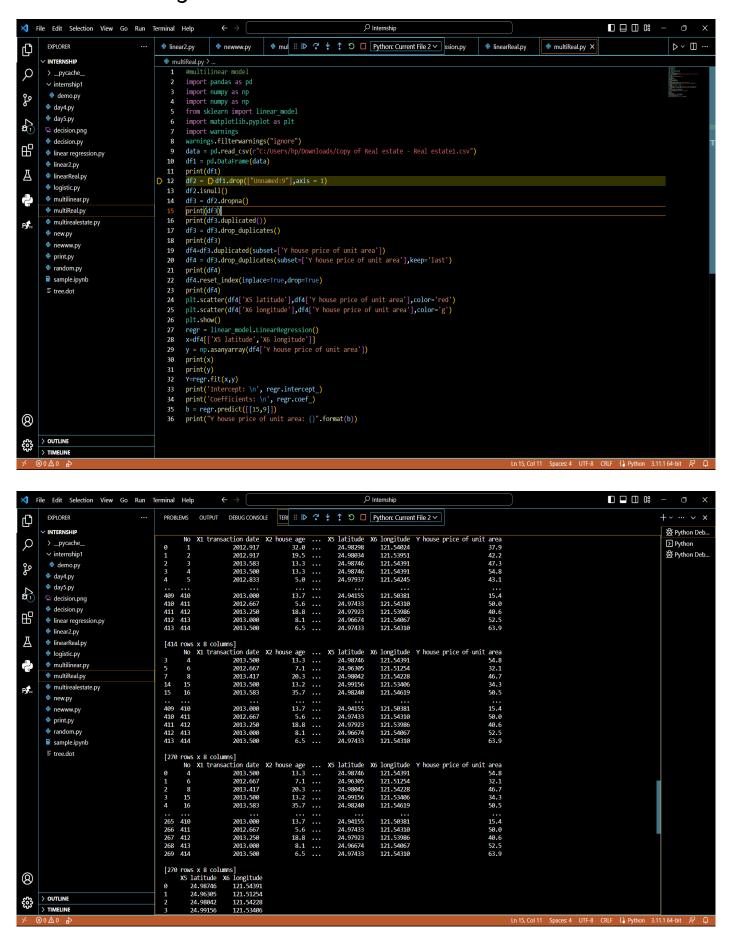


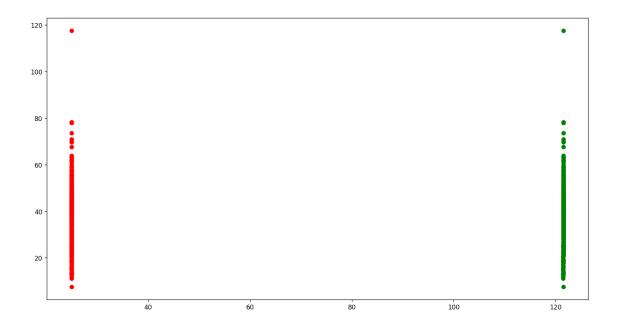






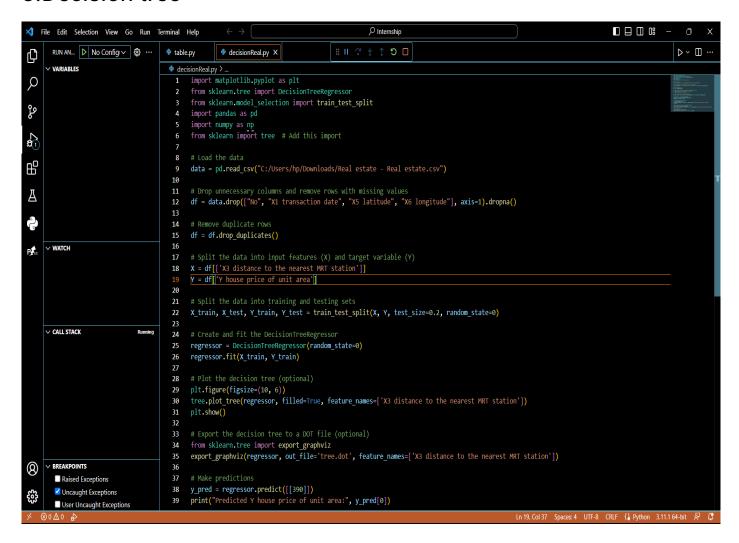
2. Multilinear regression

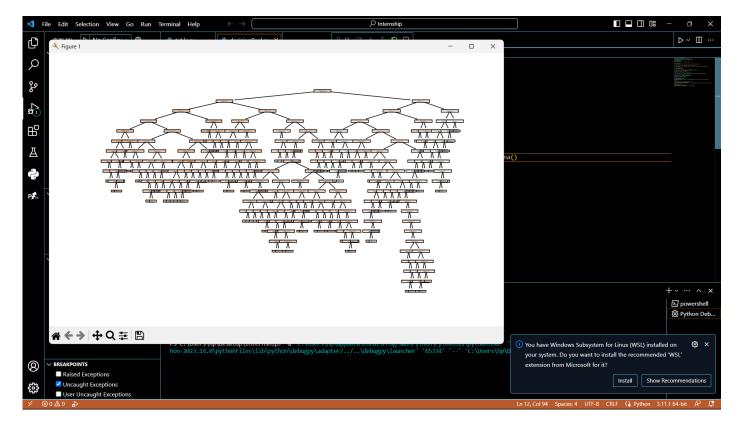




☆ ← → | **+** Q **=** | **B**

3. Decision tree





4.Table

```
XI File Edit Selection View Go Run Terminal Help
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       EXPLORER
                                           table.py X decisionReal.py
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                                           table.py >
       / INTERNSHIP
                                                  y_pred_linear = regr_linear.predict(X_linear_test)
Q
       _pycache_
                                             33
                                             34
       ∨ internship1
                                                  # Calculate R-squared and MSE for Linear Regression
                                             35
       demo.py
کو
                                                  r2_linear = r2_score(Y_test, y_pred_linear)
mse_linear = mean_squared_error(Y_test, y_pred_linear)
                                             36
       code.ipynb
       day4.py
22 ± 2 ± 2
       day5.py
                                                  # Create and fit the Multilinear Regression model
       decision.png
                                             40
                                                  regr_multilinear = linear_model.LinearRegression()
留
                                             41
                                                  regr_multilinear.fit(X_multilinear_train, Y_train)
       decision.py
                                             42
       decisionReal.py
                                             43
Д
       linear regression.py
                                                  y_pred_multilinear = regr_multilinear.predict(X_multilinear_test)
                                             44
       linear2.py
                                             45
       linearReal.py
                                             46
                                                  # Calculate R-squared and MSE for Multilinear Regression
                                                  r2_multilinear = r2_score(Y_test, y_pred_multilinear)
mse_multilinear = mean_squared_error(Y_test, y_pred_multilinear)
       logistic.py
                                             47
       multilinear.py
Pf.
       multiReal.py
                                             50
                                                  # Create and fit the Decision Tree Regressor model
       multirealestate.py
                                                  regressor_tree = DecisionTreeRegressor(random_state=0)
       my_random.py
                                             52
                                                  regressor_tree.fit(X_tree_train, Y_train)
       new.py
                                             53
       newww.py
                                             54
                                                  # Make predictions using Decision Tree Regressor
       print.py
                                             55
                                                  y_pred_tree = regressor_tree.predict(X_tree_test)
                                             56
                                                  # Calculate R-squared and MSE for Decision Tree Regressor
       sample.ipynb
                                                  r2_tree = r2_score(Y_test, y_pred_tree)
                                             58
       sampleee.py
                                                  mse_tree = mean_squared_error(Y_test, y_pred_tree)
                                             59
       table.py

    tree.dot

                                                   accuracy_table = pd.DataFrame({
                                                       'Model': ['Simple Linear Regression', 'Multilinear Regression', 'Decision Tree Regressor'], 'R-squared': [r2_linear, r2_multilinear, r2_tree],
                                             64
                                                        'MSE': [mse_linear, mse_multilinear, mse_tree]
                                            65
                                            66
                                            67
(8)
                                                  print(accuracy_table)
                                             68
      > OUTLINE
     > TIMELINE
```

