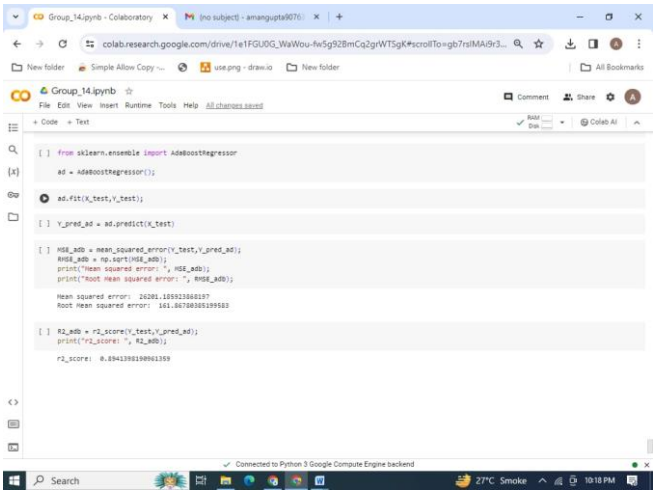
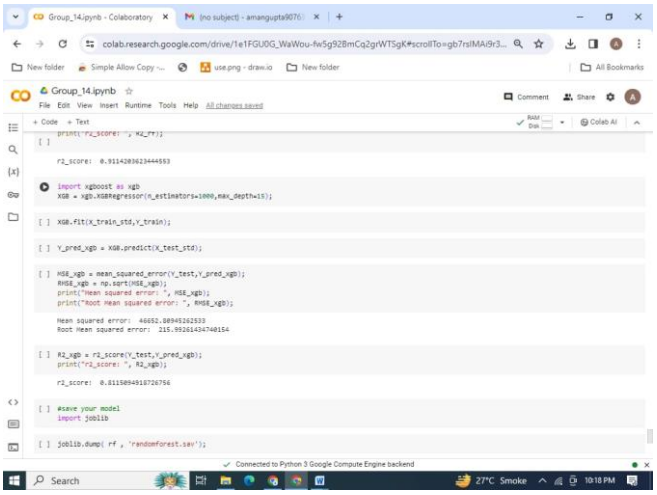
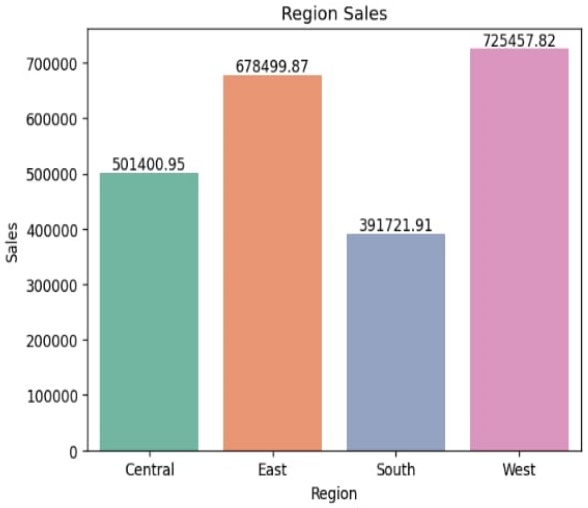
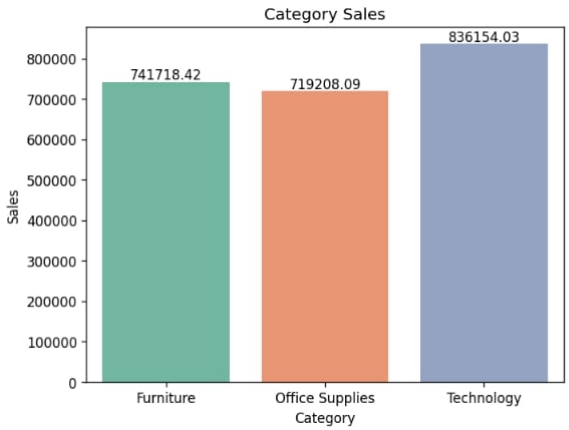


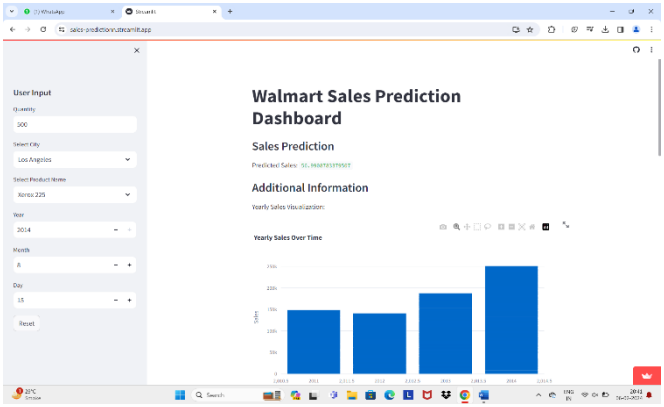
```
from sklearn.ensemble import AdaBoostRegressor

ad = AdaBoostRegressor();

ad.fit(X_test,Y_test);

Y_pred_ad = ad.predict(X_test)

MSE_adb = mean_squared_error(Y_test,Y_pred_ad);
RMSE_adb = np.sqrt(MSE_adb);
print("Mean squared error: ", MSE_adb);
print("Root Mean squared error: ", RMSE_adb);

Mean squared error:  26201.185923868197
Root Mean squared error:  161.86738365199583

R2_adb = r2_score(Y_test,Y_pred_ad);
print("r2_score: ", R2_adb);

r2_score:  0.8941398198961359
```

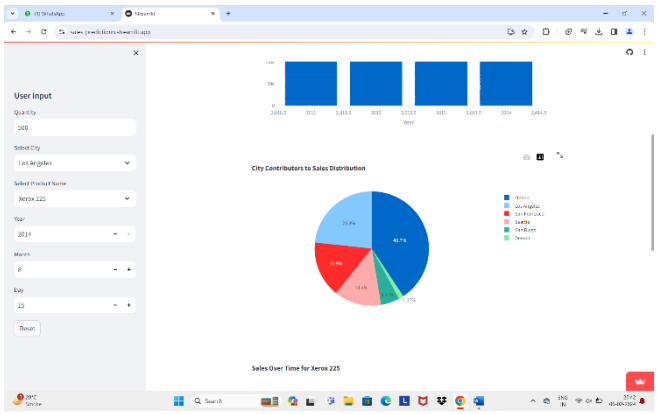


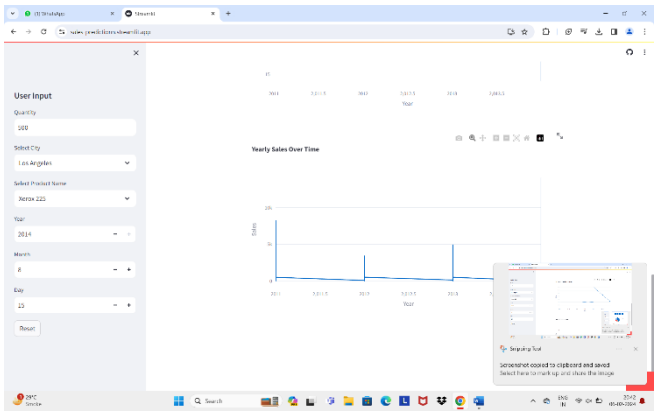
```
r2_score:  0.9114203623444553

import xgboost as xgb
XGB = xgb.XGBRegressor(n_estimators=1000,max_depth=15);

XGB.fit(X_train_std,Y_train);

Y_pred_xgb = XGB.predict(X_test_std);

MSE_xgb = mean_squared_error(Y_test,Y_pred_xgb);
RMSE_xgb = np.sqrt(MSE_xgb);
print("Mean squared error: ", MSE_xgb);
print("Root Mean squared error: ", RMSE_xgb);

Mean squared error:  46052.08945262533
Root Mean squared error:  215.99261434740154

R2_xgb = r2_score(Y_test,Y_pred_xgb);
print("r2_score: ", R2_xgb);

r2_score:  0.8115894918726756

#save your model
import joblib

joblib.dump( rf , 'randomForest.sav');
```




Category Sales
836154.03
741718.42
719208.09
800000
700000
600000
500000
400000
300000
200000
100000
0
Sales
Furniture
Office Supplies
Technology
Category


User Input
Walmart Sales Prediction Dashboard
Sales Prediction
Additional Information
Yearly Sales Visualization:
Yearly Sales Over Time


User Input
City Contributors to Sales Distribution
Sales Over Time for Xerox 225


User Input
Yearly Sales Over Time