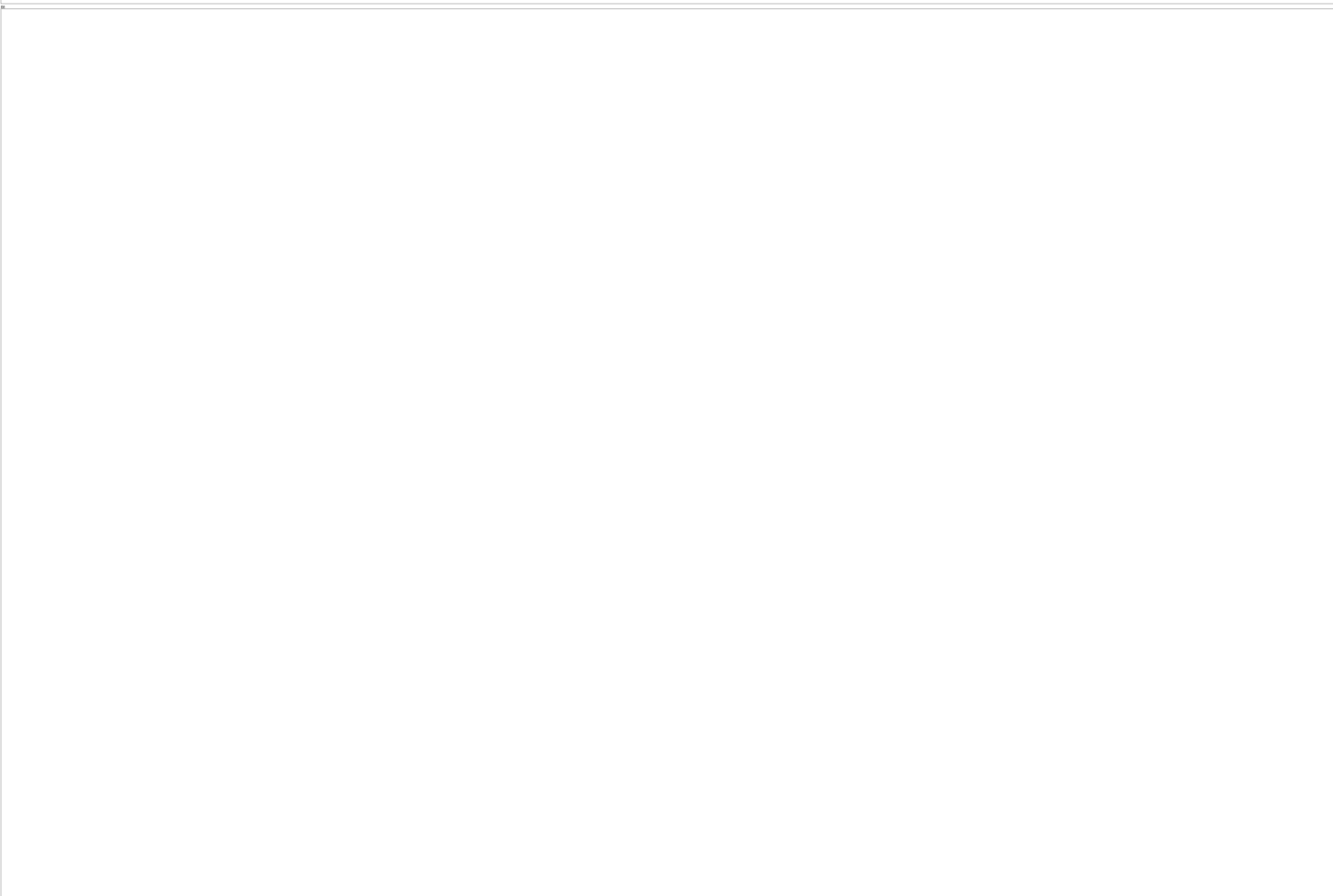
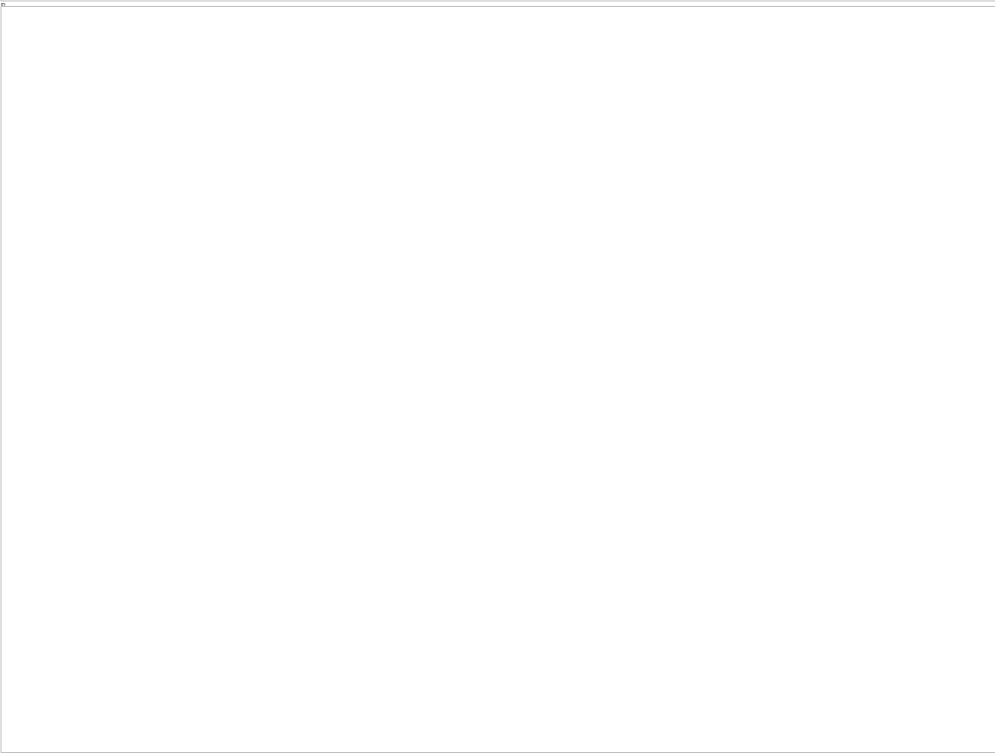








6

What is the purpose of the following code? (Select all that apply.)

Code: `1. # Import the necessary modules
2. from sklearn.preprocessing import StandardScaler
3. from sklearn.model_selection import train_test_split
4. from sklearn.metrics import accuracy_score
5. # Load the dataset
6. data = load_data()
7. # Split the data into training and testing sets
8. X_train, X_test, y_train, y_test = train_test_split(data, y, test_size=0.2, random_state=42)
9. # Standardize the features
10. scaler = StandardScaler()
11. X_train = scaler.fit_transform(X_train)
12. X_test = scaler.transform(X_test)
13. # Train the model
14. model = LogisticRegression()
15. model.fit(X_train, y_train)
16. # Evaluate the model
17. y_pred = model.predict(X_test)
18. accuracy = accuracy_score(y_test, y_pred)
19. print('Accuracy: %.2f' % accuracy)`