Task 1



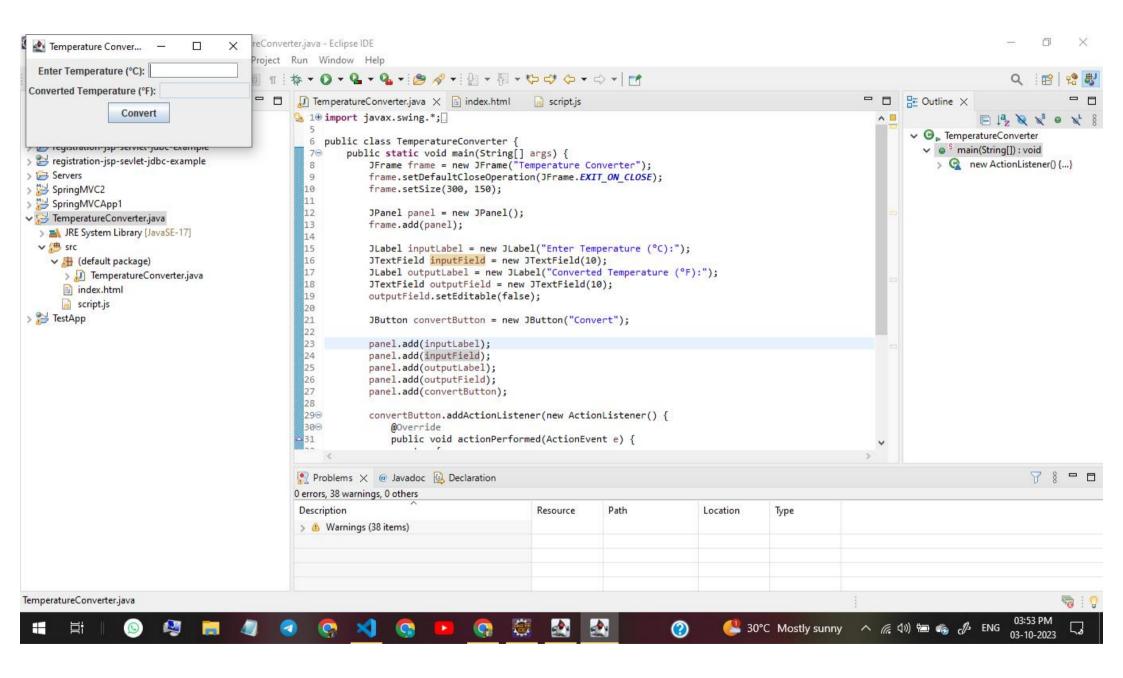


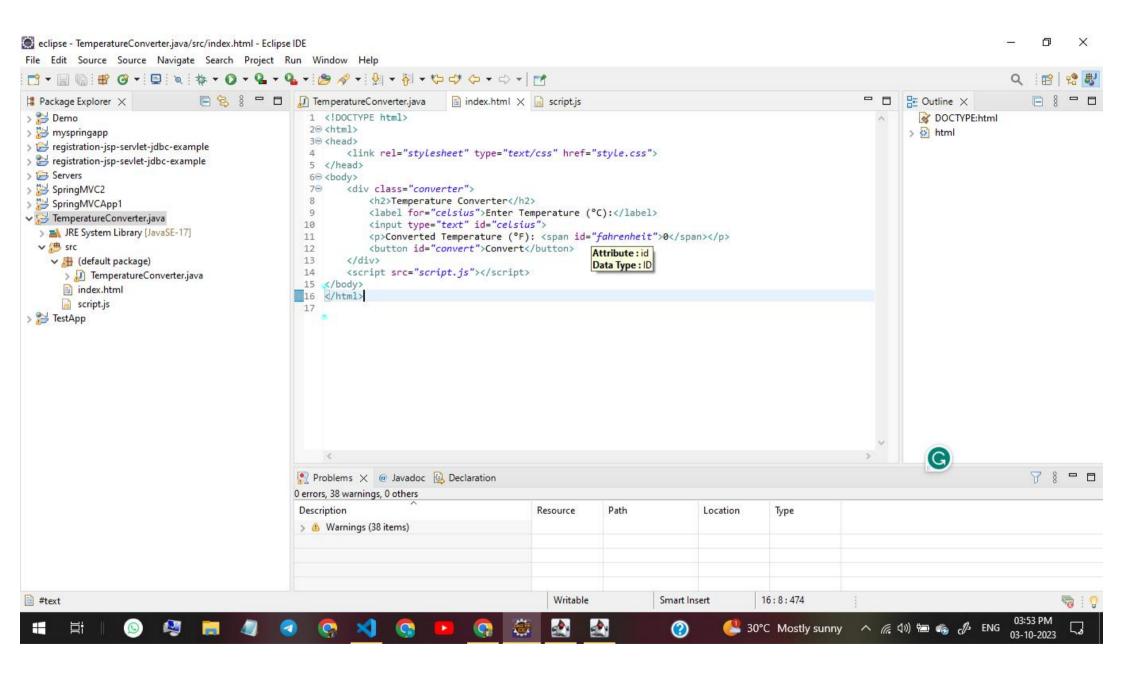
Task: Temperature Converter

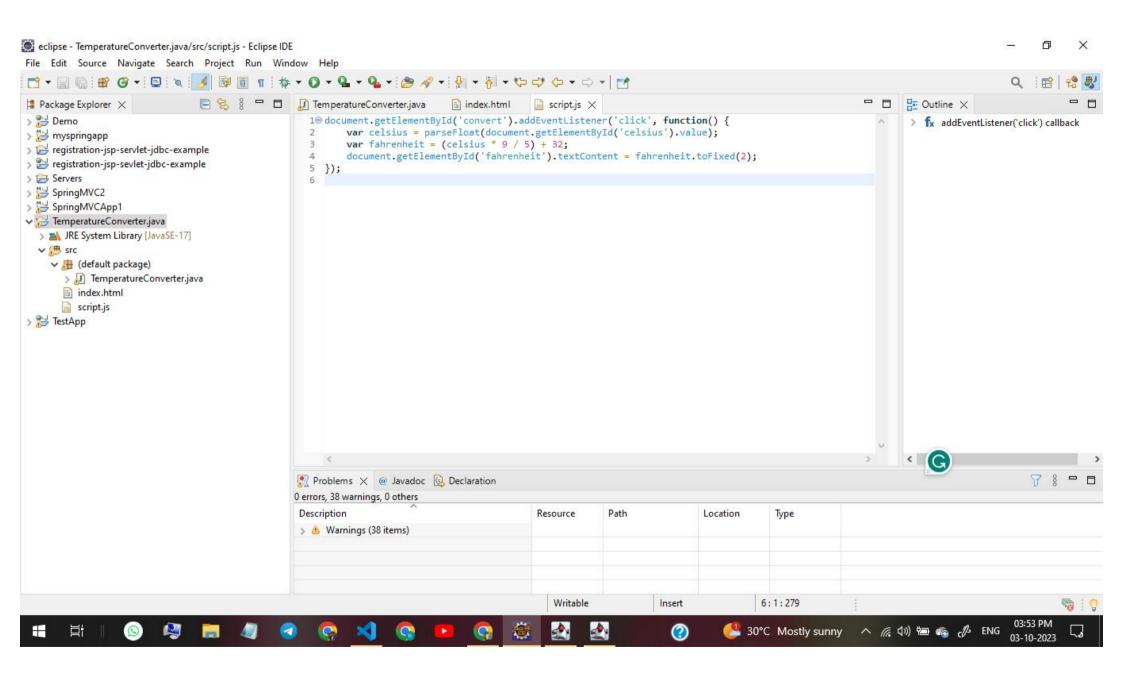
Description: Create a program that converts temperatures between Celsius and Fahrenheit. Prompt the user to enter a temperature value and the unit of measurement, and then perform the conversion. Display the converted temperature.

Skills: Basic input/output operations, arithmetic operations.









Task 2



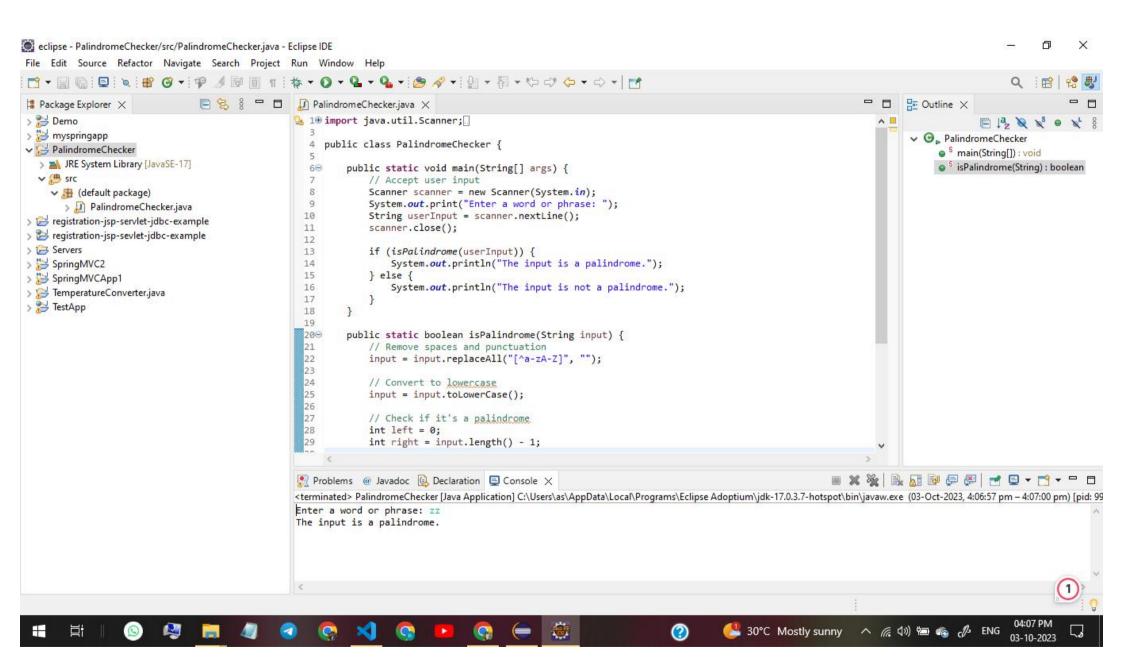


Task: Palindrome Checker

Description: Implement a program that checks whether a given word or phrase is a palindrome. A palindrome is a word or phrase that reads the same forwards and backward, ignoring spaces and punctuation.

Skills: String manipulation, loops, conditional statements.





Task 3



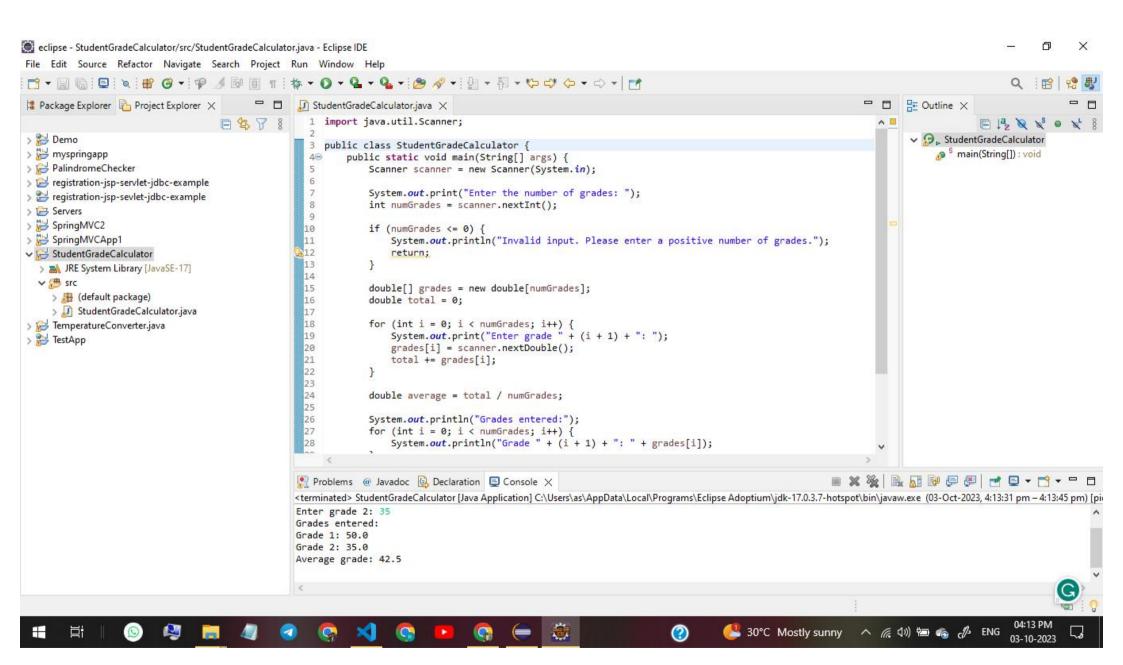


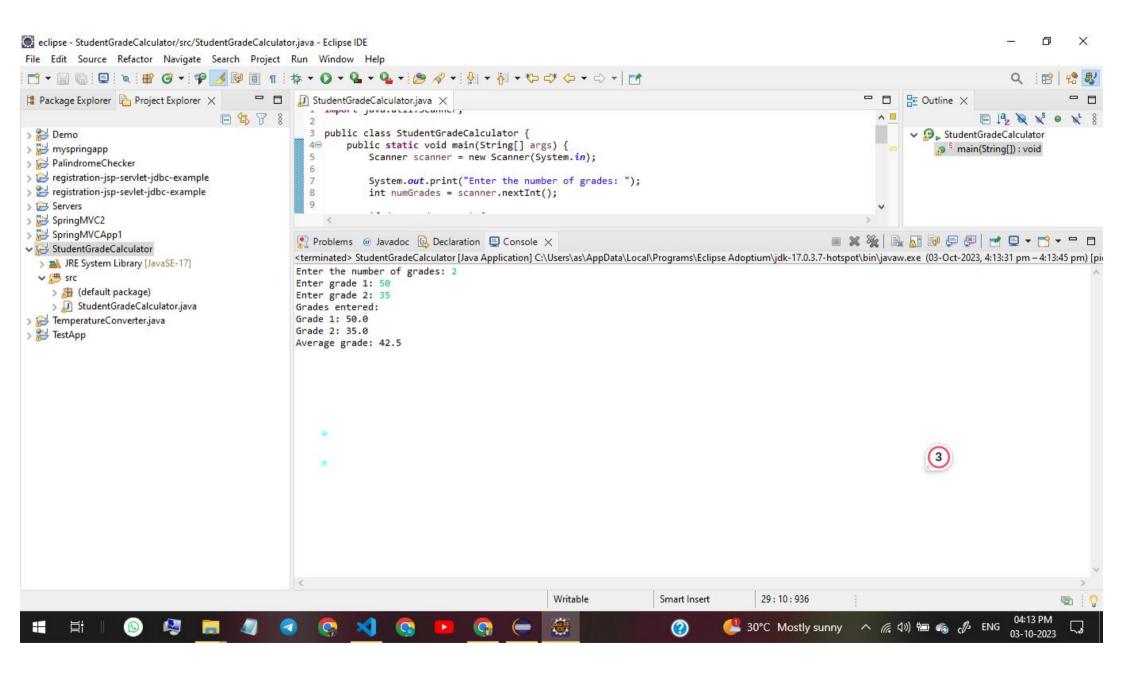
Task: Student Grade Calculator

Description: create a program that calculates and displays the average grade of a student. Prompt the user to enter the number of grades to be entered, and then input each grade. Calculate the average and display it to the user.

Skills: Loops, arrays, basic arithmetic operations.







Task 4





Task: Random Password Generator

Description: Build a program that generates a random password for the user. Prompt the user to enter the desired length of the password and specify whether it should include numbers, lowercase letters, uppercase letters, and special characters. Generate the password accordingly and display it to the user.

Skills: Random number generation, string manipulation, user input.

