Level 2

Task 1



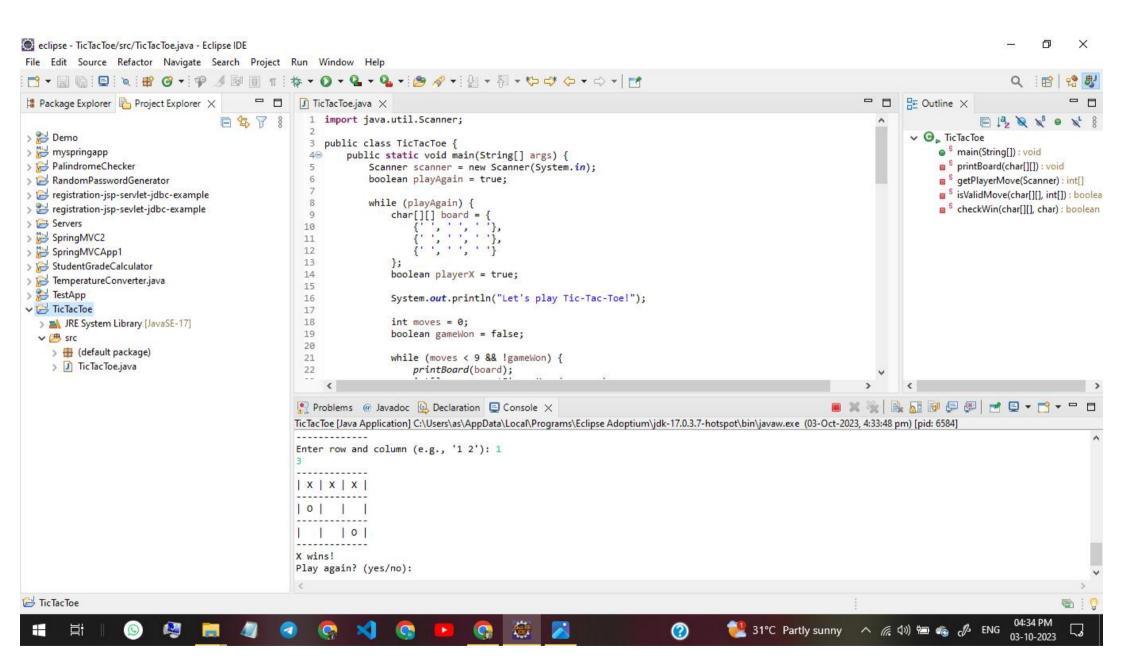


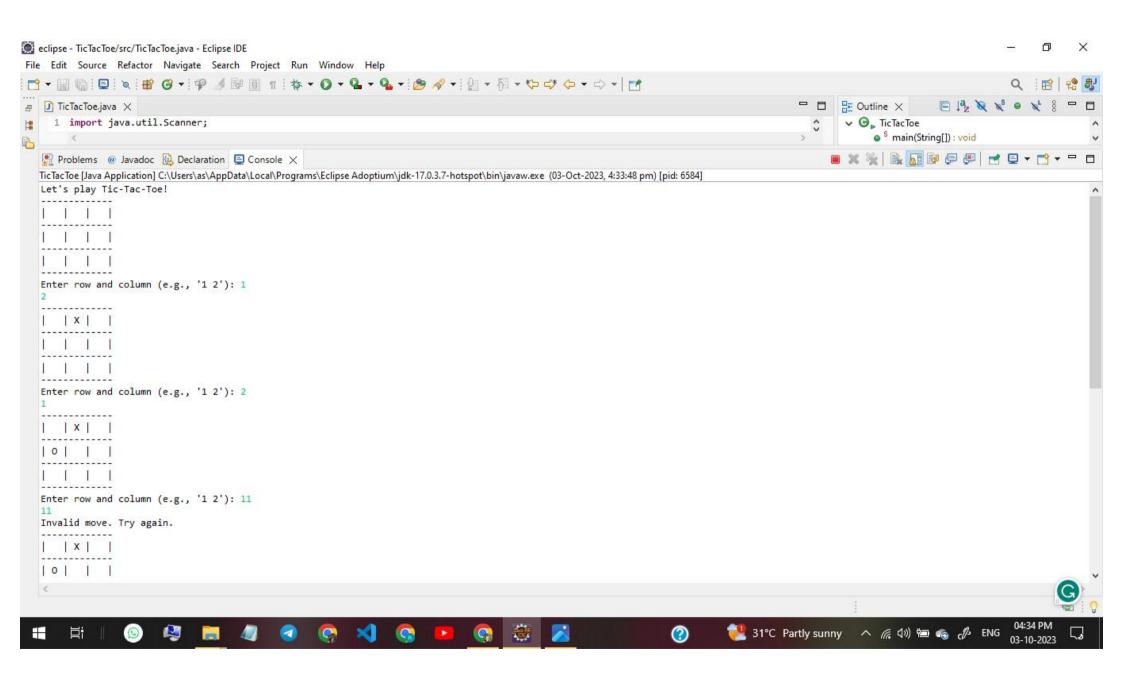
Task: Tic-Tac-Toe Game

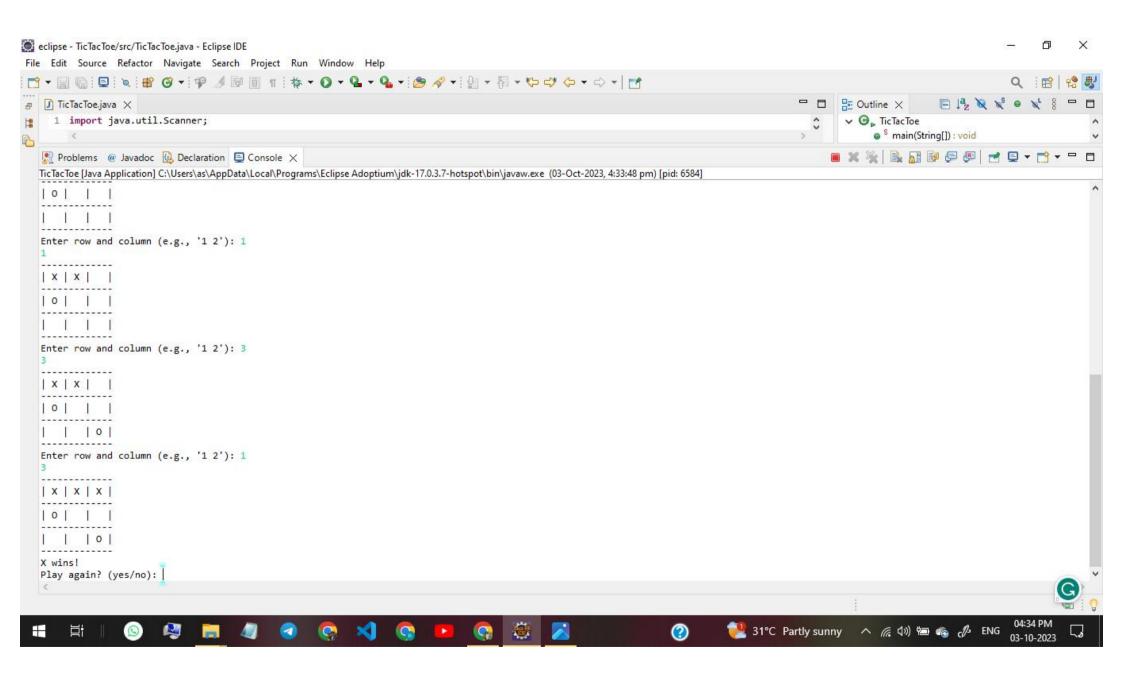
Description: Implement a two-player tic-tac-toe game. Display the game board and prompt each player to enter their moves. Check for a winning condition or a draw after each move, and display the result accordingly. Allow the players to play multiple rounds if desired.

Skills: Arrays or matrices, loops, conditional statements.









Level 2

Task 2



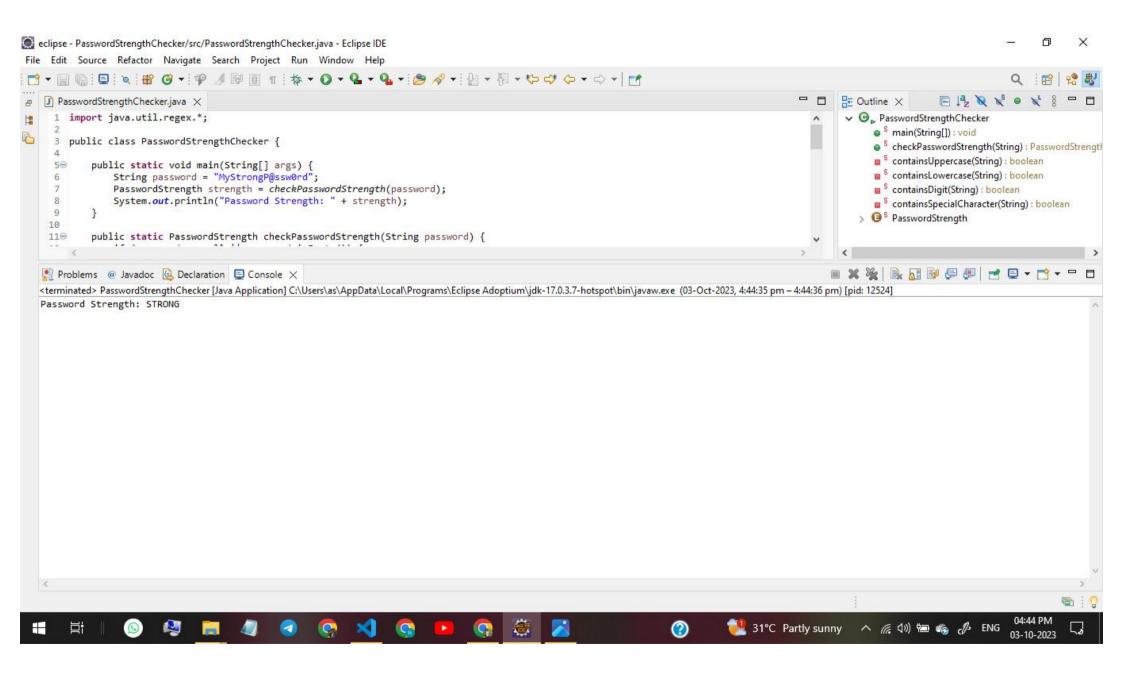


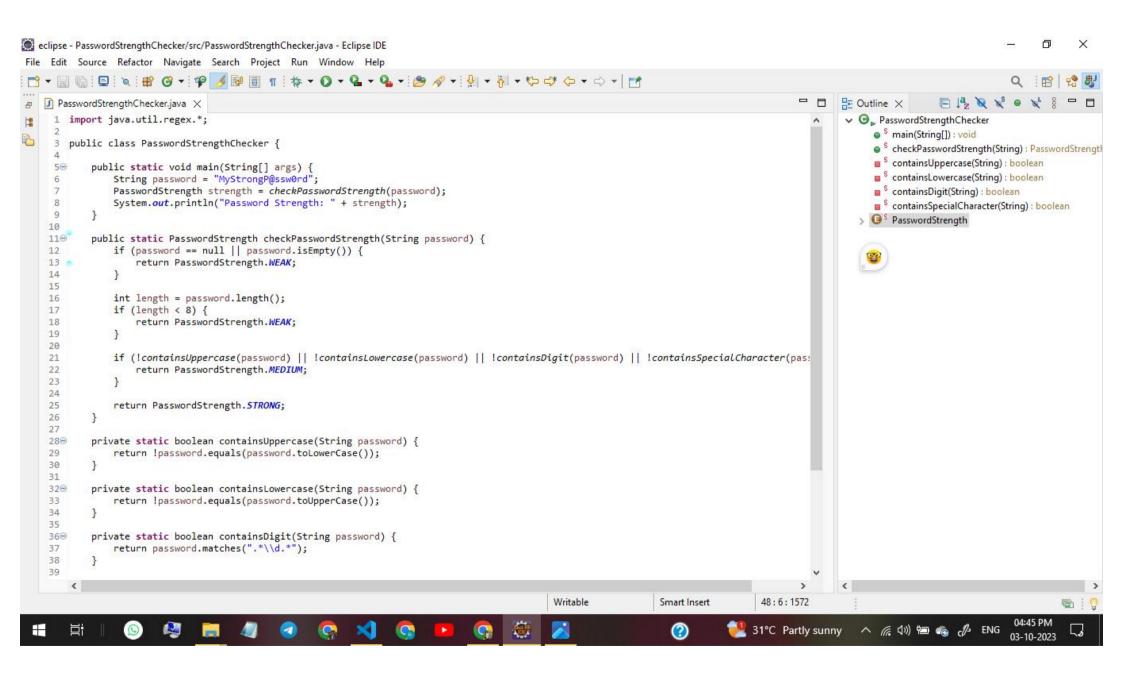
Task: Password Strength Checker

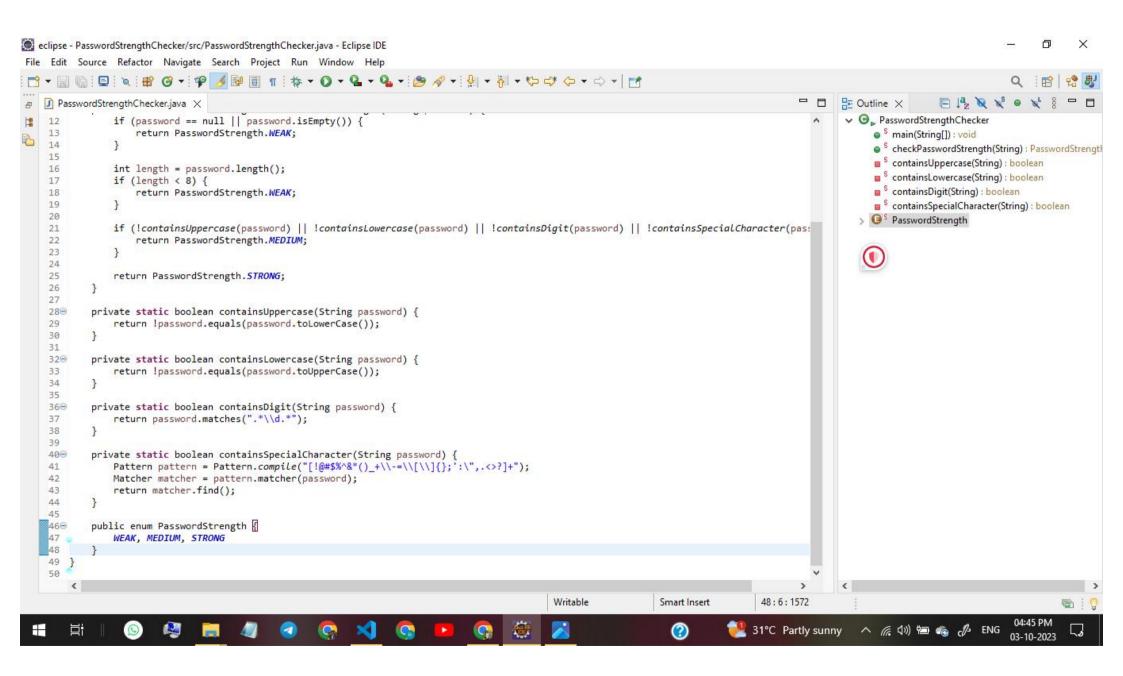
Description: Create a program that checks the strength of a password. Prompt the user to input a password and analyze its strength based on certain criteria, such as length, presence of uppercase letters, lowercase letters, numbers, and special characters. Provide feedback on the password strength.

Skills: String manipulation, conditional statements.









Level 2

Task 3





Task: File Encryption/Decryption

Description: Create a program that encrypts or decrypts the contents of a text file using a simple encryption algorithm. Prompt the user to choose between encryption or decryption, and input the file name or path. Encrypt or decrypt the file accordingly and save the result to a new file.

Skills: File handling, string manipulation, basic input/output operations.



