## **Task of Week 3:**

**Create a Password Strength Indicator for a login page of our website**

import java.util.Scanner;

public class PasswordStrengthIndicator {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter your password: ");

String password = scanner.nextLine();

int length = password.length();

boolean hasUppercase = !password.equals(password.toLowerCase());

boolean hasLowercase = !password.equals(password.toUpperCase());

boolean hasDigit = false;

boolean hasSpecialChar = false;

for (char c : password.toCharArray()) {

if (Character.isDigit(c)) {

hasDigit = true;

} else if (!Character.isLetterOrDigit(c)) {

hasSpecialChar = true;

}

}

if (length > 8 && hasUppercase && hasLowercase && hasDigit && hasSpecialChar) {

System.out.println("Password Strength: Strong");

} else if (length >= 6) {

System.out.println("Password Strength: Medium");

} else if (length >= 1) {

System.out.println("Password Strength: Weak");

} else {

System.out.println("Password Strength: Very Weak");

}

scanner.close();

}

}

**Output:**

