**Week 3:** New Task : Miniproject

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

Provide a visual indicator showing the strength of the password (e.g., weak, medium, strong).

Consider factors like length, presence of uppercase and lowercase letters, digits, and special characters.

Hint: If password length is >8 it is strong, greater than 6 and less than 8 is medium, less than 5 is weak.

**SOLUTION:**

**package** password;

**import** java.util.Scanner;

**public** **class** PasswordStrengthIndicator {

**public** **static** **void** main(String[] args) {

System.***out***.println("Enter the password");

Scanner sc = **new** Scanner(System.***in***);

String password = sc.next();

**int** passwordLength = password.length();

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

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

**boolean** hasDigit = password.matches(".\*\\d.\*");

**boolean** hasSpecialChar = password.matches(".\*[^A-Za-z0-9].\*");

**if** (passwordLength >= 8 && hasUppercase && hasLowercase && hasDigit && hasSpecialChar) {

System.***out***.println("Password is strong.");

}

**else** **if** (passwordLength >= 6 && passwordLength <= 8) {

System.***out***.println("Password is medium.");

}

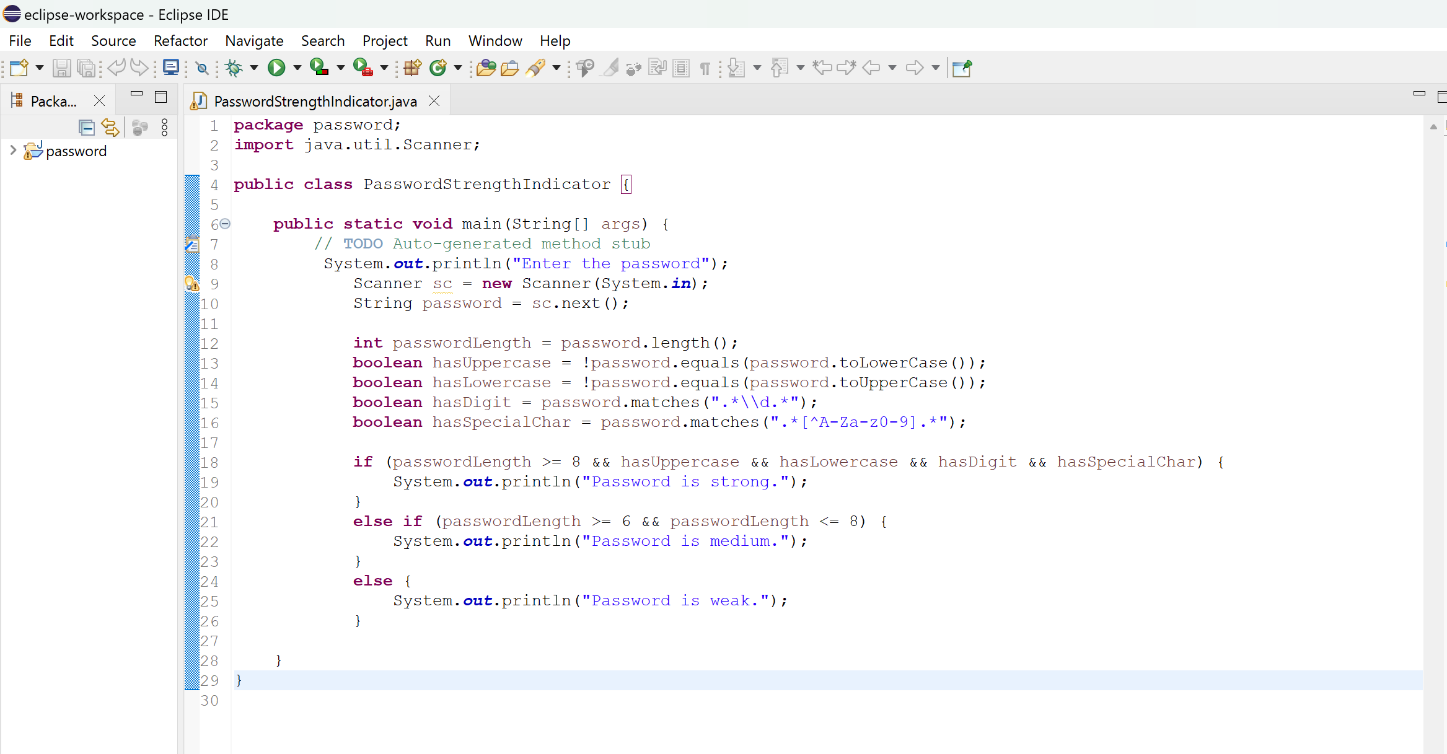
**else** {

System.***out***.println("Password is weak.");

}

}

}



**OUTPUT:**

