**Program to find the strength of a given password**

import java.util.Scanner;

public class PasswordValidator {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

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

String password = scanner.nextLine();

if (isValidPassword(password)) {

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

}

}

private static boolean isValidPassword(String password) {

// Check length

if (password.length() < 8) {

System.out.println("Invalid password: Length should be at least 8 characters");

return false;

}

// Check if it contains only numbers, alphabets, or special characters

if (password.matches("[0-9]+") || password.matches("[a-zA-Z]+") || password.matches("[^a-zA-Z0-9]+")) {

System.out.println("Weak password: Contains only numbers, alphabets, or special characters");

return false;

}

// Check if it contains a combination of numbers and alphabets, or alphabets and special characters, or special characters and numbers

if (password.matches(".\*[0-9].\*") && password.matches(".\*[a-zA-Z].\*") && password.matches(".\*[^a-zA-Z0-9].\*")) {

System.out.println("Strong password: Contains numbers, alphabets, and special characters");

return true;

} else {

System.out.println("Moderate password: Contains a combination of numbers and alphabets, or alphabets and special characters, or special characters and numbers");

return false;

}

}

}