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import java.util.Scanner;
import java.util.regex.Pattern;

public class PasswordStrengthChecker {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.println("Enter your password: ");
        String password = scanner.nextLine();

        if (isPasswordStrong(password)) {
            System.out.println("Password is strong.");
        } else {
            System.out.println("Password is weak.");
        }
    }

    public static boolean isPasswordStrong(String password) {
        // Check if the password is at least 8 characters long
        if (password.length() < 8) {
            System.out.println("Password must be at least 8 characters long.");
            return false;
        }

        // Check for at least one uppercase letter
        if (!Pattern.compile("[A-Z]").matcher(password).find()) {
            System.out.println("Password must contain at least one uppercase
letter.");
            return false;
        }

        // Check for at least one lowercase letter
        if (!Pattern.compile("[a-z]").matcher(password).find()) {
            System.out.println("Password must contain at least one lowercase
letter.");
            return false;
        }

        // Check for at least one digit
        if (!Pattern.compile("[0-9]").matcher(password).find()) {
            System.out.println("Password must contain at least one digit.");
            return false;
        }

        // Check for special characters
        if
(!Pattern.compile("[!@#$%^&*()_+\\-=\\[\\]{};':\"\\\\|,.<>/?]").matcher(password
).find()) {
            System.out.println("Password must contain special characters (e.g.,
!, @, #, $, etc.).");
            return false;
        }

        // If all checks pass
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        return true;
    }
}
```