Use Case 01:password checking

Give a string (password). And check if it is a valid password as per given following rules if yes print 1 else print 0

Rules:

1. Password should  be a minimum of 8 characters in length .
2. Password should contain at least one uppercase , one lower case , one special character and one digit
3. It should not contain white space.

import java.util.Scanner;

public class Password {

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("1");

} else {

System.out.println( "0");

}

}

private static boolean isValidPassword(String password) {

if (password.length() < 8) {

return false;

}

boolean hasUpperCase = false;

boolean hasLowerCase = false;

boolean hasSpecialChar = false;

boolean hasDigit = false;

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

if (Character.isUpperCase(ch)) {

hasUpperCase = true;

} else if (Character.isLowerCase(ch)) {

hasLowerCase = true;

} else if (Character.isDigit(ch)) {

hasDigit = true;

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

hasSpecialChar = true;

}

}

if (password.contains(" ")) {

return false;

}

return hasUpperCase && hasLowerCase && hasSpecialChar && hasDigit;

}

}

//output

Enter the password: shreya

0

Enter the password: Shreya@2024

1