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**Roll No: 44**

**Batch: B**

**Date:07-05-2022**

**OBJECT ORIENTED PROGRAMING LAB**

**Experiment No.: 1**

**Aim**

Write a user defined exception class to authenticate the user name and password.

**Procedure**

import java.util.Scanner;

class UsernameException extends Exception {

public UsernameException(String msg) {

super(msg);

}

}

class PasswordException extends Exception {

public PasswordException(String msg) {

super(msg);

}

}

public class Authentication {

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

String username, password;

System.out.print("Enter username :: ");

username = s.nextLine();

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

password = s.nextLine();

int length = username.length();

try {

if(length < 6)

throw new UsernameException("Username must be greater than 6 characters ???");

else if(!password.equals("hello"))

throw new PasswordException("Incorrect password\nType correct password ???");

else

System.out.println("Login Successful !!!");

}

catch (UsernameException u) {

u.printStackTrace();

}

catch (PasswordException p) {

p.printStackTrace();

}

finally {

System.out.println("The finally statement is executed");

}

}

}

**Output Screenshot**

