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**OBJECT ORIENTED PROGRAMING LAB**

**Experiment No.: 23**

# Aim

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

**Source Code**

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 UsernamePassword{

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("appu"))

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

else

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

}

catch (UsernameException u) {

u.printStackTrace();

}

catch (PasswordException p) {

p.printStackTrace();

}

finally {

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

}

}

}

**Output Screenshot**

