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**Batch: R-MCA B**

**Date:31-05-2022**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 18**

**Aim**

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

**Procedure**

import java.util.\*;

import CO42auth.\*;

public class CO42

{

public static void main(String args[])

{

Scanner s = new Scanner(System.in);

String username,password;

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

username = s.nextLine();

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

password = s.nextLine();

int length = username.length();

try

{

if(length < 6)

throw new UsernameException("Username must be greater than 6 charecters!!!");

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

throw new PasswordException("incorrect password\n type correct password!!!");

else

System.out.println("login succesfull");

}

catch(UsernameException u)

{

u.printStackTrace();

}

catch(PasswordException p)

{

p.printStackTrace();

}

finally

{

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

}

}

}

**Exception**

import java.util.Scanner;

class UsernameException extends Exception

{

public UsernameException(String msg)

{

super(msg);

}

}

class PasswordException extends Exception

{

public PasswordException(String msg)

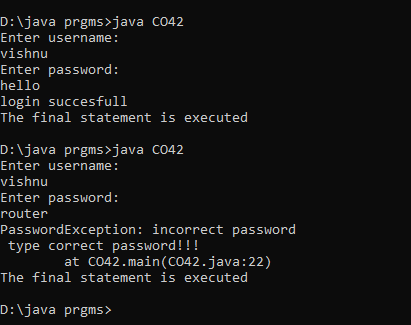
{

super(msg);

}

}

**Output Screenshot**

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