

OBJECT ORIENTED PROGRAMMING LAB**Experiment No: CO4-02****Name: Manya Madhu****Roll No: 17****Batch: S2 RMCA B****Date: 31-05-2022****Aim**

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

Procedure:

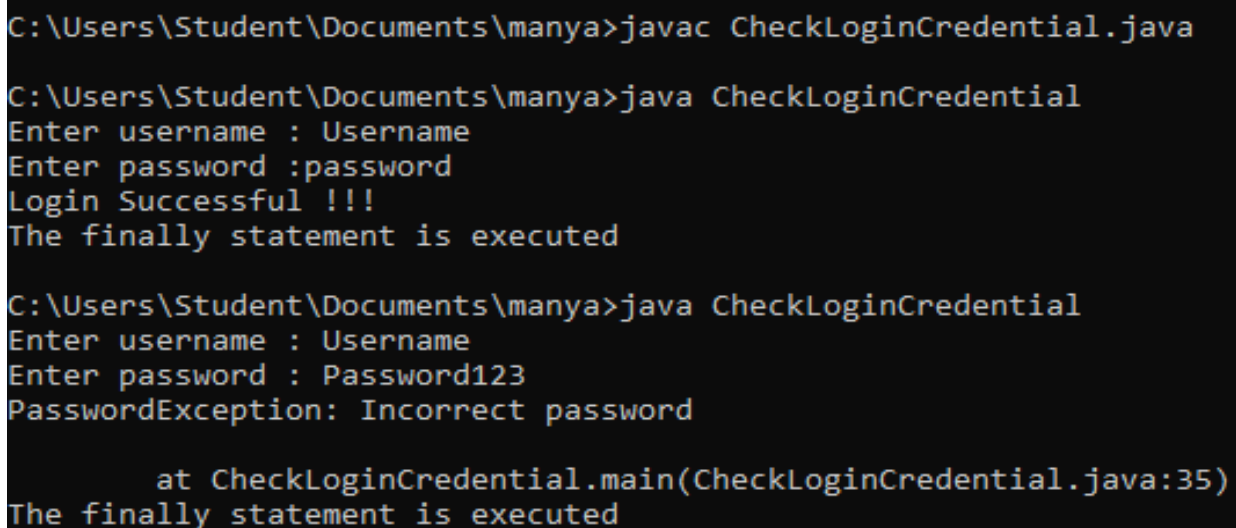
```
import java.util.Scanner;

class UsernameException extends Exception {
    public UsernameException(String msg) {
        super(msg);
    }
}

class PasswordException extends Exception {
    public PasswordException(String msg) {
        super(msg);
    }
}

public class CheckLoginCredential {
    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();
    }
}
```

```
try {  
    if(!username.equals("Username"))  
        throw new UsernameException("Username is incorrect");  
    else if(!password.equals("password"))  
        throw new PasswordException("Incorrect password\n");  
    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:

```
C:\Users\Student\Documents\manya>javac CheckLoginCredential.java  
C:\Users\Student\Documents\manya>java CheckLoginCredential  
Enter username : Username  
Enter password :password  
Login Successful !!!  
The finally statement is executed  
  
C:\Users\Student\Documents\manya>java CheckLoginCredential  
Enter username : Username  
Enter password : Password123  
PasswordException: Incorrect password  
        at CheckLoginCredential.main(CheckLoginCredential.java:35)  
The finally statement is executed
```