

**OBJECT ORIENTED PROGRAMMING LAB****Experiment No.: 22****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 CheckExp {
    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();
```

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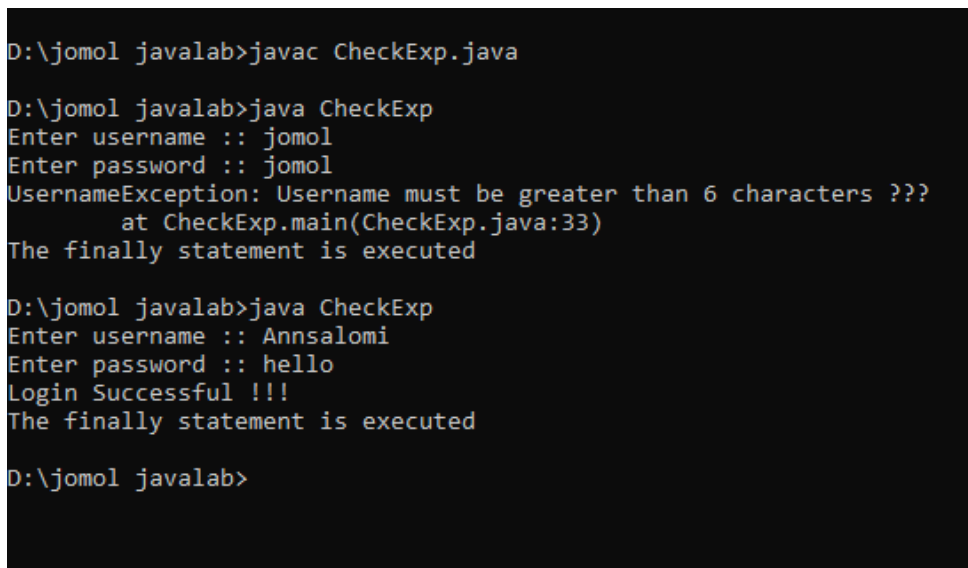
**Roll No: 10**

**Batch: S2 MCA**

**Date: 31/05/2022**

```
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:**



```
D:\jomol javalab>javac CheckExp.java  
  
D:\jomol javalab>java CheckExp  
Enter username :: jomol  
Enter password :: jomol  
UsernameException: Username must be greater than 6 characters ???  
    at CheckExp.main(CheckExp.java:33)  
The finally statement is executed  
  
D:\jomol javalab>java CheckExp  
Enter username :: Annsalomi  
Enter password :: hello  
Login Successful !!!  
The finally statement is executed  
  
D:\jomol javalab>
```

