OBJECT ORIENTED PROGRAMING LAB

Experiment No.: 19

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Roll No: 45

Batch: S2 MCA

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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 CO52 {
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();
```
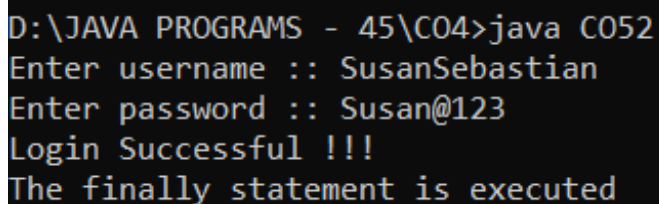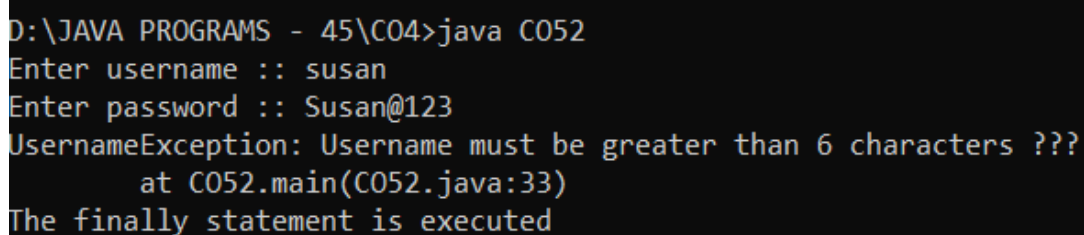
```java
try {
 if(length < 6)
  throw new UsernameException("Username must be greater than 6 characters ???");
 else if(!password.equals("Susan@123"))
  throw new PasswordException("Incorrect password\nType correct password ???");
 else
  System.out.println("Login Successful !!!");
}
catch (UsernameException u) {
 u.printStackTrace();
}
catch (PasswordException p) {
 p.printStackTrace();
}
finally {
 System.out.println("The finally statement is executed");
}
}
}
```

Output Screenshot

```
D:\JAVA PROGRAMS - 45\CO4>java CO52
Enter username :: SusanSebastian
Enter password :: Susan@123
Login Successful !!!
The finally statement is executed
```

```
D:\JAVA PROGRAMS - 45\CO4>java CO52
Enter username :: susan
Enter password :: Susan@123
UsernameException: Username must be greater than 6 characters ???
        at CO52.main(CO52.java:33)
The finally statement is executed
```