OBJECT ORIENTED PROGRAMMING LAB

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Roll No: 10

Batch: S2 MCA

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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();
```

```
 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>
```