

OBJECT ORIENTED PROGRAMING LAB**Experiment No.: 23****Name : Swetha Prakash****Roll No : 46****Batch : B****Date : 31-05-22****Aim**

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

Source Code

```
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 UsernamePassword{
    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("Stardust"))
            throw new PasswordException("Incorrect password\nType the correct
password");
    else
        System.out.println("Login Successful!!!");
}

catch (UsernameException u) {
    u.printStackTrace();
}

catch (PasswordException p) {
    p.printStackTrace();
}

finally {
    System.out.println("The final statement is executed");
}
}
```

Output Screenshot

```
D:\Javalab>java UsernamePassword
Enter username :: Swetha Prakash
Enter password :: Stardust
Login Successful!!!
The final statement is executed

D:\Javalab>javac UsernamePassword.java

D:\Javalab>java UsernamePassword
Enter username :: Swetha Prakash
Enter password :: Swetha
PasswordException: Incorrect password
Type the correct password
    at UsernamePassword.main(UsernamePassword.java:30)
The final statement is executed
```