

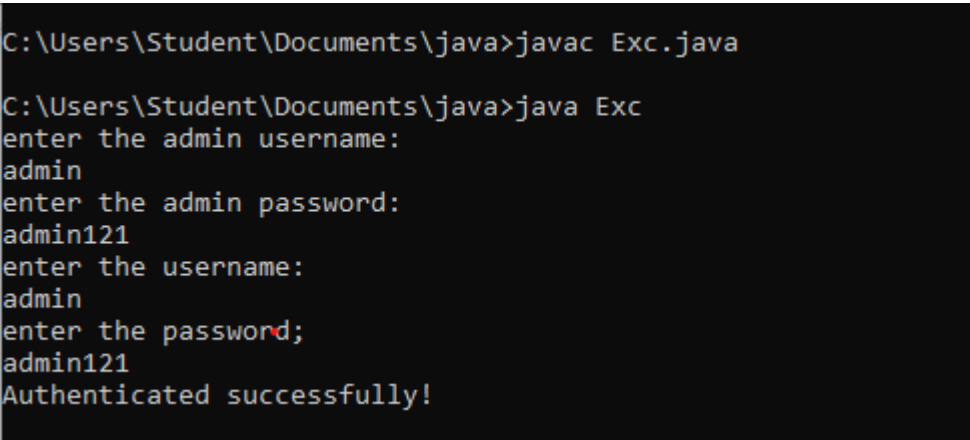
Experiment No: 22**Aim**

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

Procedure**Name: Silvia Thomas****Roll No: 38****Batch: B****Date:31-05-2022**

```
import java.util.Scanner;
import javax.swing.plaf.synth.SynthEditorPaneUI;;
public class Exc {
    public static class InvalidUserException extends Exception {
        public InvalidUserException() {
            super("Invalid username / password provided!");
        }
    }

    public static void main(String[] args) {
        String name,pass;
        Scanner sc = new Scanner(System.in);
        String username,password;
        System.out.println("enter the admin username:");
        username=sc.next();
        System.out.println("enter the admin password:");
        password=sc.next();
        System.out.println("enter the username:");
        name=sc.next();
        System.out.println("enter the password;");
        pass=sc.next();
        try {
            if (username.equals(name) && password.equals(pass)) {
                System.out.println("Authenticated successfully!");}
            else {
                throw new InvalidUserException();
            }
        } catch (InvalidUserException e) {
            System.out.println(e);
        }
    }
}
```

Output ScreenshotA screenshot of a Windows command prompt window with a black background and white text. The prompt shows the execution of a Java program. The user enters 'javac Exc.java' and then 'java Exc'. The program prompts for an admin username and password, which are entered as 'admin' and 'admin121' respectively. It then prompts for a regular username and password, which are also entered as 'admin' and 'admin121'. Finally, it outputs 'Authenticated successfully!'.

```
C:\Users\Student\Documents\java>javac Exc.java

C:\Users\Student\Documents\java>java Exc
enter the admin username:
admin
enter the admin password:
admin121
enter the username:
admin
enter the password:
admin121
Authenticated successfully!
```