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OOP Practical 4

**Problem :** Rajan is designing a car rental website which requires the customer to log in to the website for renting a car using a java program to input the login details such as username, password and print the message as 'Welcome Username' or 'Failed to login!! Please try again' depending on successful or failure in login. (Hint: Consider Username as Ganpat and Password as ICT for verifying with the user input of username and password)

**Code :**

```
import java.util.Scanner;

public class prac_4 {
    public static void main(String[] args) {
        String user, pswd;
        Scanner in = new Scanner(System.in);

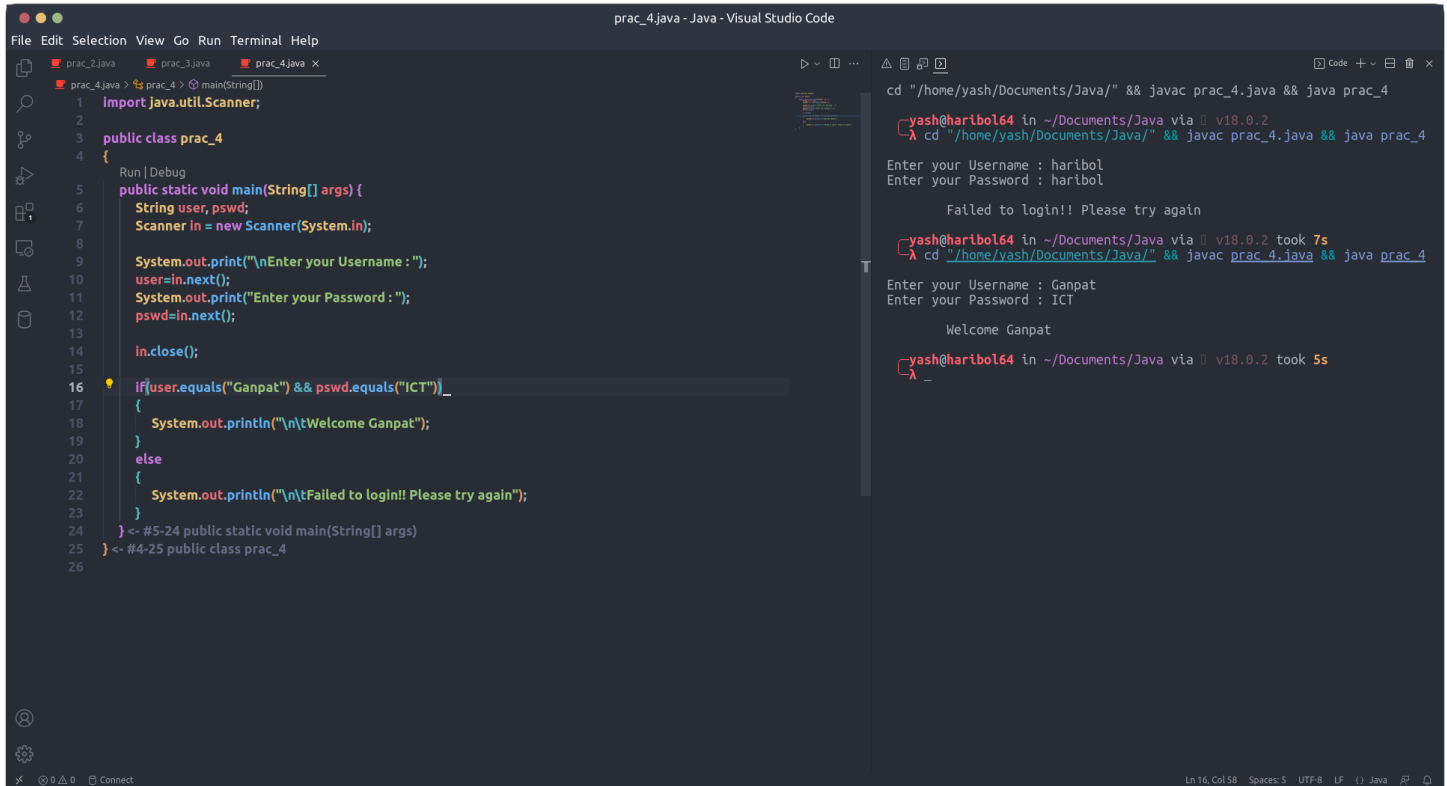
        System.out.print("\nEnter your Username : ");
        user=in.next();
        System.out.print("Enter your Password : ");
        pswd=in.next();

        in.close();

        if(user.equals("Ganpat") && pswd.equals("ICT")){
            System.out.println("\n\tWelcome Ganpat");
        }
        else{
            System.out.println("\n\tFailed to login!! Please try again");
        }
    }
}
```

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## Output :



The screenshot displays the Visual Studio Code interface with a Java file named `prac_4.java` open. The code implements a simple login system using `java.util.Scanner`. It prompts the user for a username and password, and checks if they match the hardcoded values "Ganpat" and "ICT".

```
1 import java.util.Scanner;
2
3 public class prac_4
4 {
5     public static void main(String[] args) {
6         String user, pswd;
7         Scanner in = new Scanner(System.in);
8
9         System.out.print("\nEnter your Username : ");
10        user=in.next();
11        System.out.print("Enter your Password : ");
12        pswd=in.next();
13
14        in.close();
15
16        if(user.equals("Ganpat") && pswd.equals("ICT")){
17            {
18                System.out.println("\n\tWelcome Ganpat");
19            }
20        }
21        else
22        {
23            System.out.println("\n\tFailed to login!! Please try again");
24        }
25    }
26 }
```

The terminal on the right shows the execution of the program. It first runs `javac prac_4.java` and `java prac_4`. The user enters `haribol` for the username and `haribol` for the password, resulting in the message "Failed to login!! Please try again". The user then enters `Ganpat` for the username and `ICT` for the password, resulting in the message "Welcome Ganpat".

```
cd "/home/yash/Documents/Java/" && javac prac_4.java && java prac_4
yash@haribol64 in ~/Documents/Java via v18.0.2
λ cd "/home/yash/Documents/Java/" && javac prac_4.java && java prac_4
Enter your Username : haribol
Enter your Password : haribol
Failed to login!! Please try again
yash@haribol64 in ~/Documents/Java via v18.0.2 took 7s
λ cd "/home/yash/Documents/Java/" && javac prac_4.java && java prac_4
Enter your Username : Ganpat
Enter your Password : ICT
Welcome Ganpat
yash@haribol64 in ~/Documents/Java via v18.0.2 took 5s
λ _
```