Nama : Valdez Bentiraz

Kelas : IF-46-11

NIM : 1301220276

PBO TP MOD 07

Interface Loginable

```java
*/
public interface Loginable {
    public void login(String input);
}
```

Abstract class WebPage

```java
public abstract class WebPage implements Loginable {
    private String webTitle;
    protected String loggedUsername;

    public WebPage(String title){
        webTitle = title;
    }
    protected void showHeader(){
        System.out.println("######################################");
        System.out.println("###           "+webTitle+"              ##" );
        System.out.println("#--------------------------------##");
    }
    protected void showFooter(){
        System.out.println("#--------------------------------##");
        System.out.println("# Created by Valdez Bentiraz        ##");
        System.out.println("######################################");
    }

    protected abstract void showMainPage();

    public void showFullPage(){
        showHeader();
        showMainPage();
        showFooter();
    }


}
```

Class HomePage

```java
 */
public class HomePage extends WebPage {
    public HomePage(String title){
        super(title);
    }
    @Override
    public void login(String input){
        loggedUsername = input;
        System.out.println("Selamat datang di halaman Home, "+loggedUsername+"!");
    }
    @Override
    protected void showMainPage(){
        if(loggedUsername == null){
            System.out.println("# Selamat datang                    ##");
            System.out.println("# Anda sedang berada di home page    ##");
            System.out.println("# Ini penjelasan umum home page      ##");
        } else {
            System.out.println("# Selamat datang, "+loggedUsername+"         ##");
            System.out.println("# Anda sedang berada di home page    ##");
            System.out.println("# Ini penjelasan khusus home page     ##");

        }
    }

}
```

Class DashboardPage

```java
 * @author valde
 */
public class DashboardPage extends WebPage {
    public DashboardPage(String title){
        super(title);
    }
    @Override
    public void login(String input){
        loggedUsername = input;
        System.out.println(loggedUsername+" berhasil login ke halaman dashboard");
    }
    @Override
    protected void showMainPage(){
        if(loggedUsername == null){
            System.out.println("# Akses ditutup untuk user guest     ##");
            System.out.println("# Mohon login terlebih dahulu        ##");
        } else {
            System.out.println("# Dashboard Page - "+loggedUsername+"          ##");
            System.out.println("# Opsi-opsi page dashboard            ##");
            System.out.println("# dsb                                ##");

        }
    }
}
```

Main

```java
public class Tpmod7 {

    public static void main(String[] args) {
        HomePage homepage = new HomePage("REAPER SCANS");
        DashboardPage dashboard = new DashboardPage("REAPER SCANS");

        System.out.println("TAMPILAN HOMEPAGE SEBELUM LOGIN");
        homepage.showFullPage();
        System.out.println("");
        homepage.login("raiquiaID");
        System.out.println("");
        System.out.println("TAMPILAN HOMEPAGE SESUDAH LOGIN");
        System.out.println("");
        homepage.showFullPage();
        System.out.println("");
        System.out.println("TAMPILAN DASHBOARD SEBELUM LOGIN");
        dashboard.showFullPage();
        System.out.println("");
        dashboard.login("raiquiaID");
        System.out.println("");
        System.out.println("TAMPILAN DASHBOARD SESUDAH LOGIN");
        System.out.println("");
        dashboard.showFullPage();


    }
}
```

OUTPUT

```
TAMPILAN HOMEPAGE SEBELUM LOGIN
######################################
###            REAPER SCANS        ##
#----------------------------------##
# Selamat datang                   ##
# Anda sedang berada di home page  ##
# Ini penjelasan umum home page    ##
#----------------------------------##
# Created by Valdez Bentiraz       ##
######################################


Selamat datang di halaman Home, raiquiaID!


TAMPILAN HOMEPAGE SESUDAH LOGIN

######################################
###            REAPER SCANS        ##
#----------------------------------##
# Selamat datang, raiquiaID        ##
# Anda sedang berada di home page  ##
# Ini penjelasan khusus home page  ##
#----------------------------------##
# Created by Valdez Bentiraz       ##
######################################
```

```
TAMPILAN DASHBOARD SEBELUM LOGIN
######################################
###            REAPER SCANS        ##
#----------------------------------##
# Akses ditutup untuk user guest   ##
# Mohon login terlebih dahulu      ##
#----------------------------------##
# Created by Valdez Bentiraz       ##
######################################

raiquiaID berhasil login ke halaman dashboard

TAMPILAN DASHBOARD SESUDAH LOGIN

######################################
###            REAPER SCANS        ##
#----------------------------------##
# Dashboard Page - raiquiaID       ##
# Opsi-opsi page dashboard         ##
# dsb                              ##
#----------------------------------##
# Created by Valdez Bentiraz       ##
######################################
----------------------------------------------
BUILD SUCCESS
```