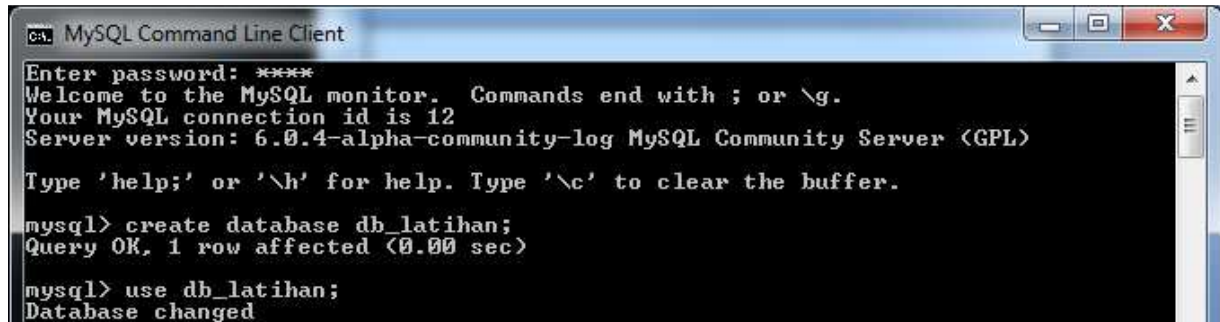


FORM LOGIN MULTI USER (Delphi7,MySQL,MD5)

1. buat database & table user.

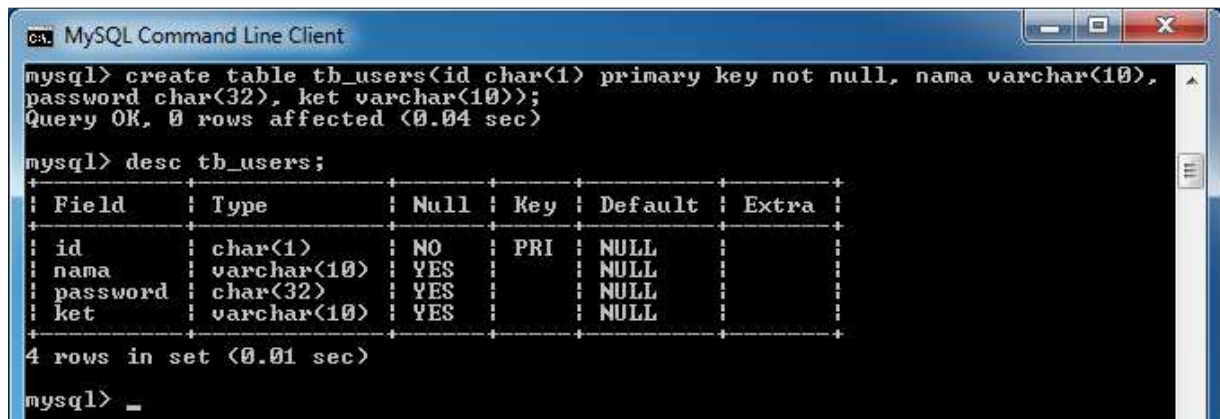


```
MySQL Command Line Client
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 12
Server version: 6.0.4-alpha-community-log MySQL Community Server (GPL)

Type 'help;' or '\h' for help. Type '\c' to clear the buffer.

mysql> create database db_latihan;
Query OK, 1 row affected (0.00 sec)

mysql> use db_latihan;
Database changed
```



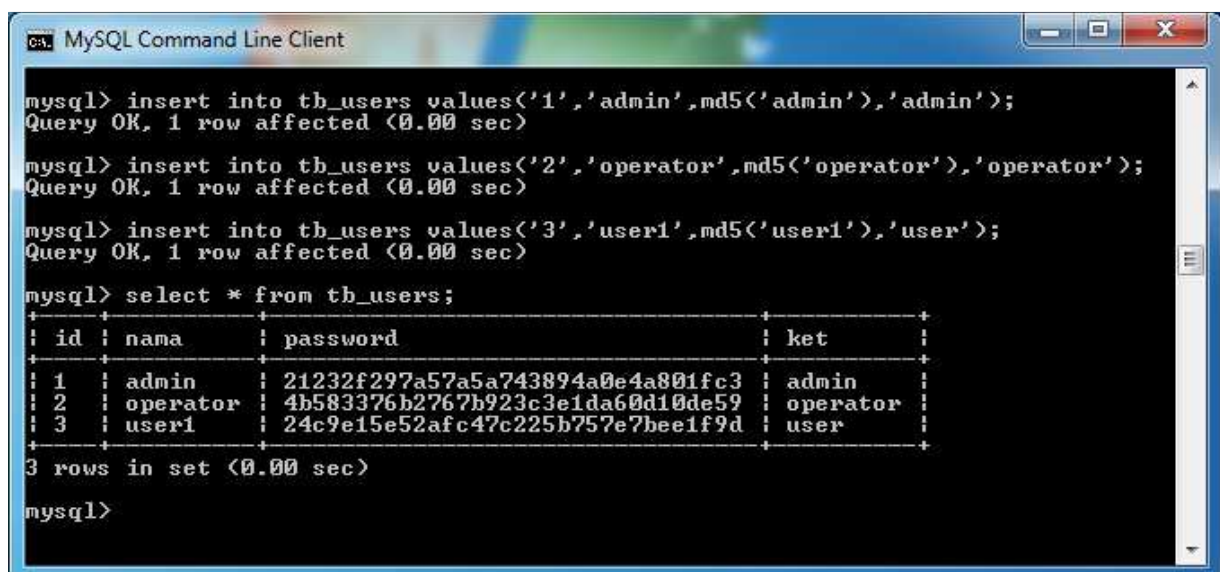
```
MySQL Command Line Client

mysql> create table tb_users(id char(1) primary key not null, nama varchar(10),
password char(32), ket varchar(10));
Query OK, 0 rows affected (0.04 sec)

mysql> desc tb_users;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id    | char(1) | NO | PRI | NULL |  |
| nama  | varchar(10) | YES |  | NULL |  |
| password | char(32) | YES |  | NULL |  |
| ket   | varchar(10) | YES |  | NULL |  |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

mysql> _
```

2. insert user admin, operator, user1.



```
MySQL Command Line Client

mysql> insert into tb_users values('1','admin',md5('admin'),'admin');
Query OK, 1 row affected (0.00 sec)

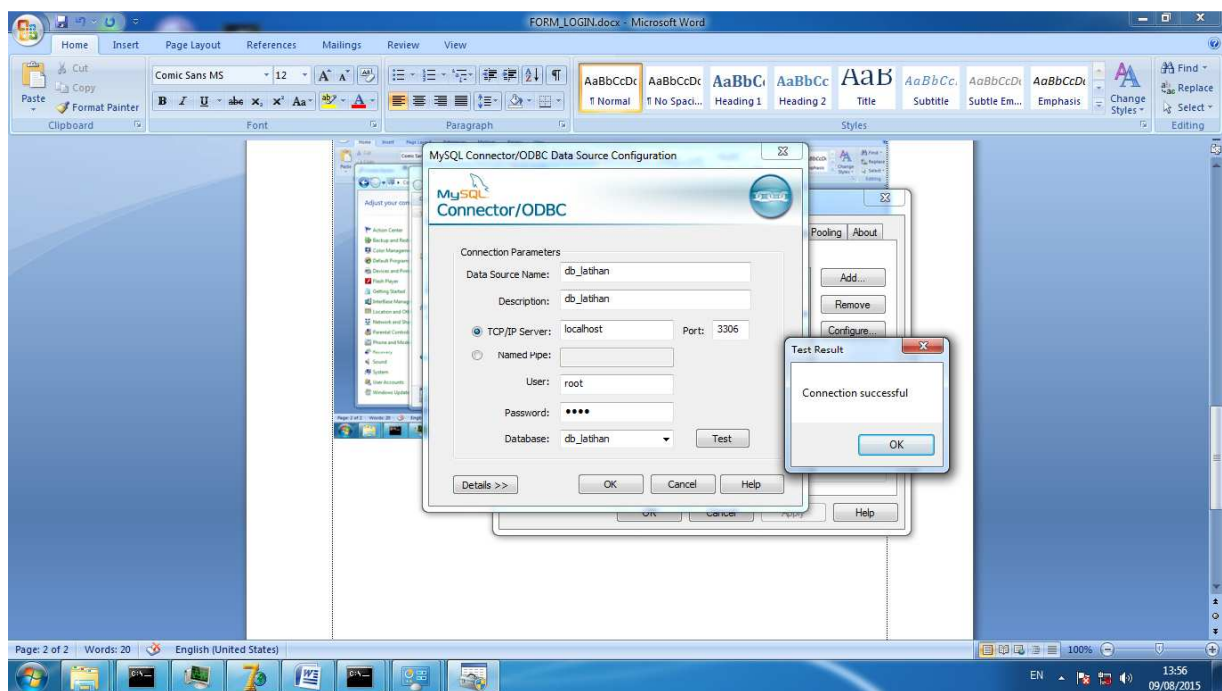
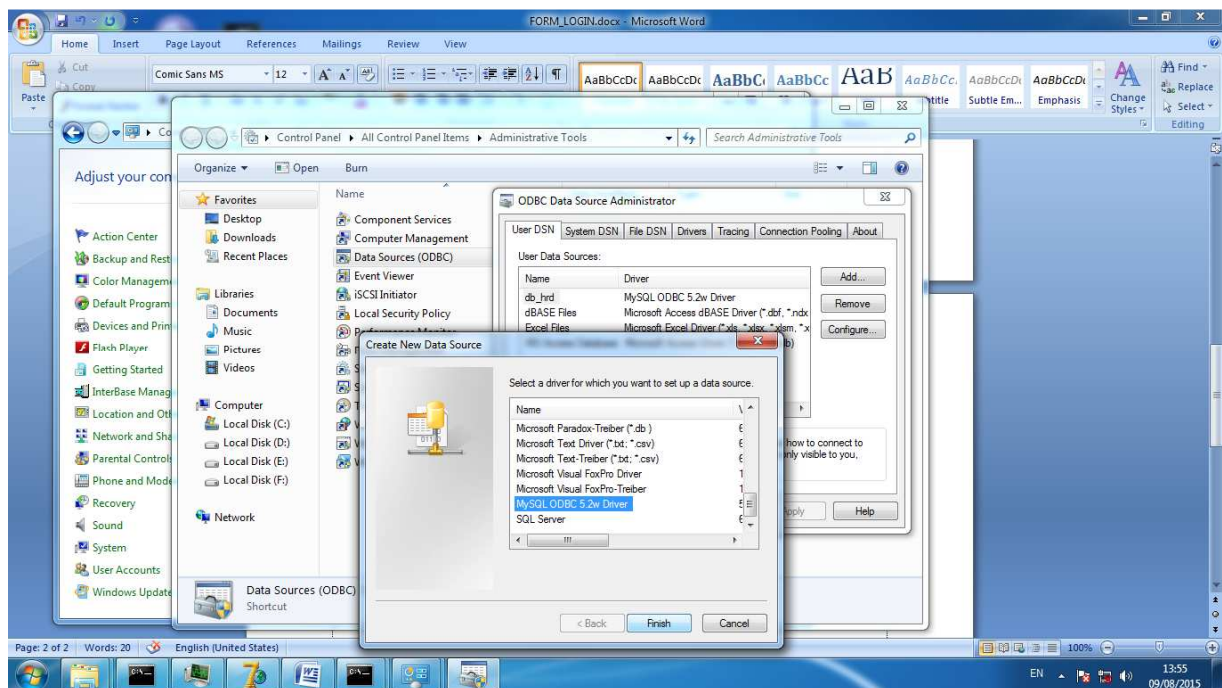
mysql> insert into tb_users values('2','operator',md5('operator'),'operator');
Query OK, 1 row affected (0.00 sec)

mysql> insert into tb_users values('3','user1',md5('user1'),'user');
Query OK, 1 row affected (0.00 sec)

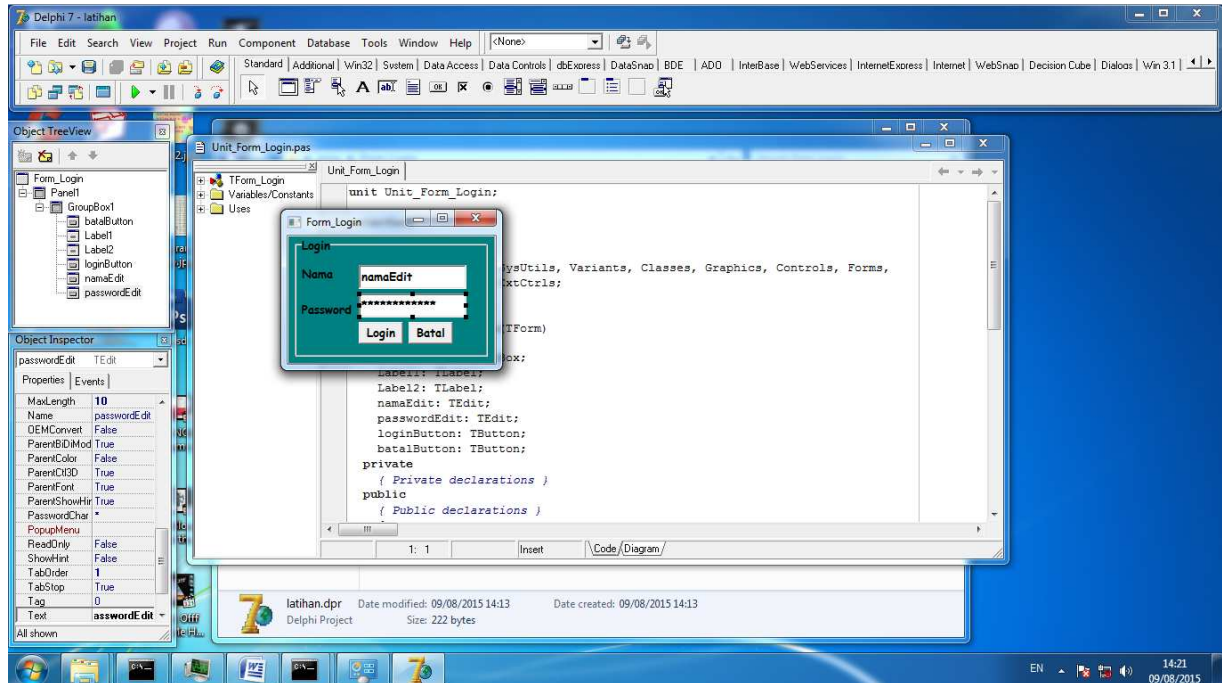
mysql> select * from tb_users;
+----+-----+-----+-----+
| id | nama  | password | ket |
+----+-----+-----+-----+
| 1  | admin | 21232f297a57a5a743894a0e4a801fc3 | admin |
| 2  | operator | 4b583376b2767b923c3e1da60d10de59 | operator |
| 3  | user1 | 24c9e15e52afc47c225b757e7bee1f9d | user |
+----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

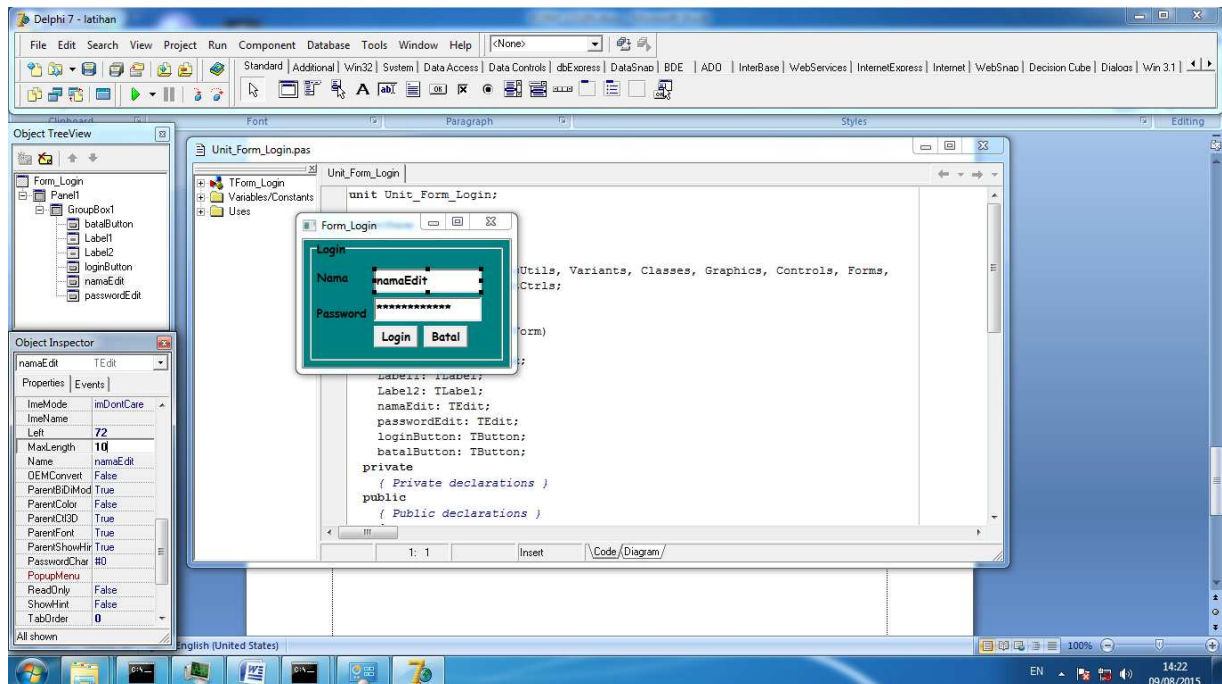
3. buat mysql connector koneksi ke db_latihan.



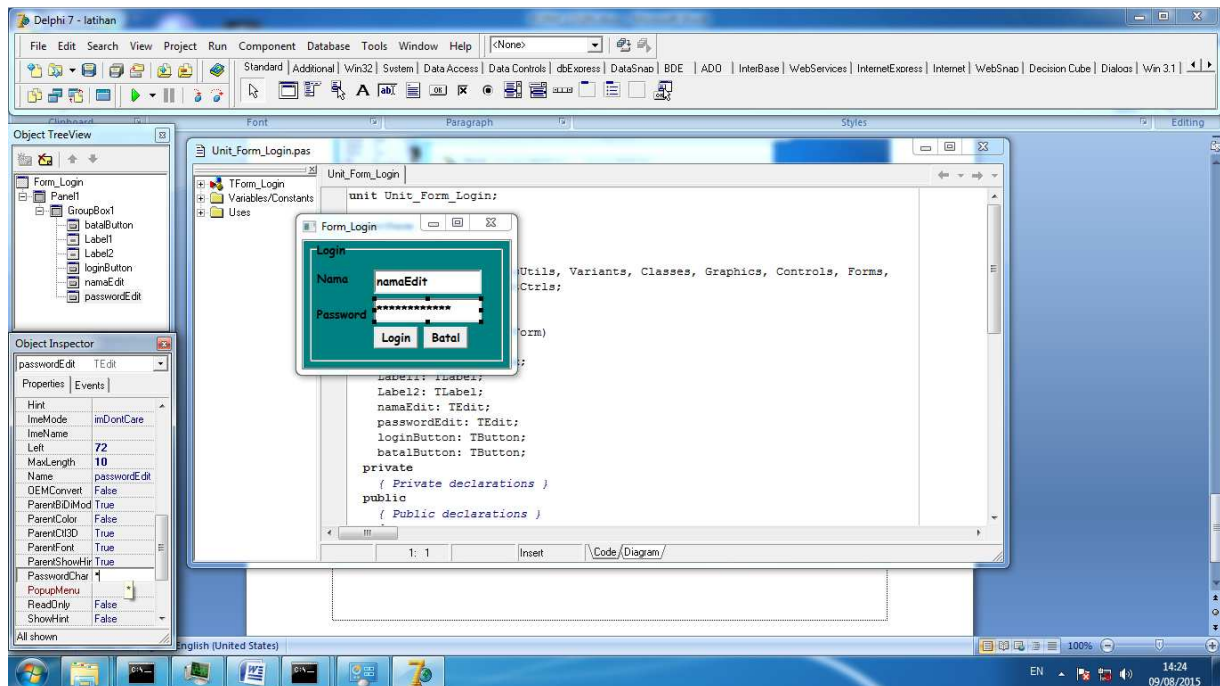
4. buat form login seperti gambar (lihat komponen yg digunakan pada Object Tree View).



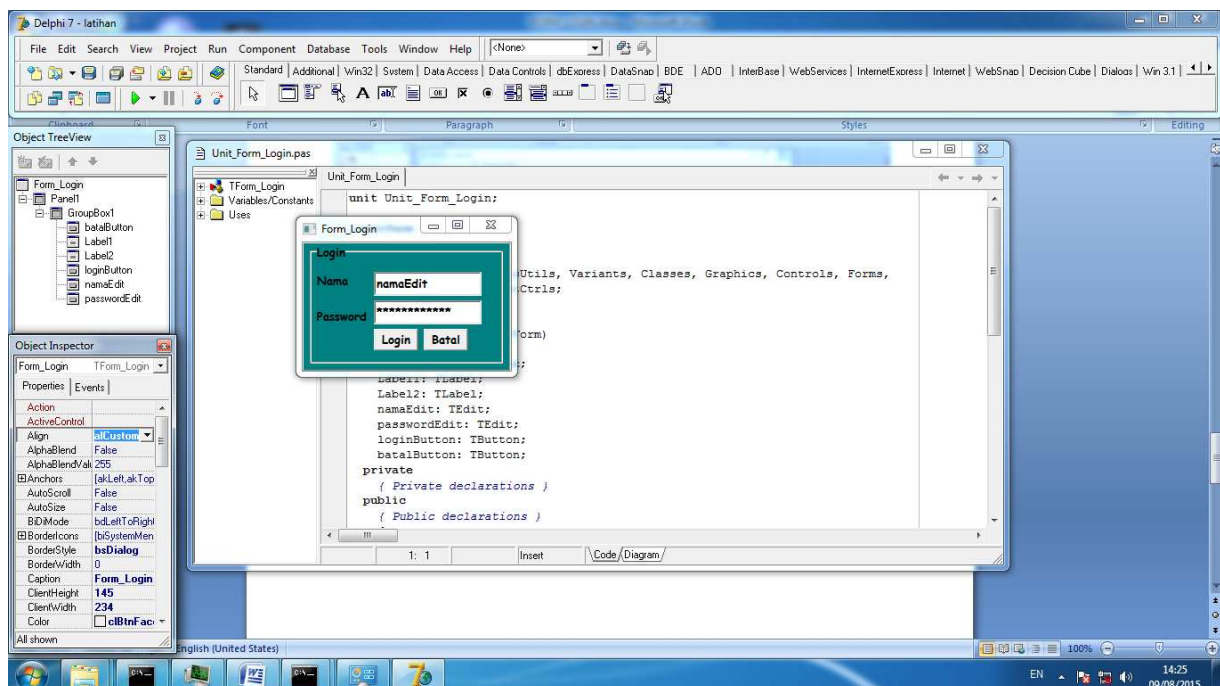
5. Set namaEdit & passwordEdit maxLength 10 (fungsi untuk membatasi max jum karakter yg dapat di input hanya 10 karakter).



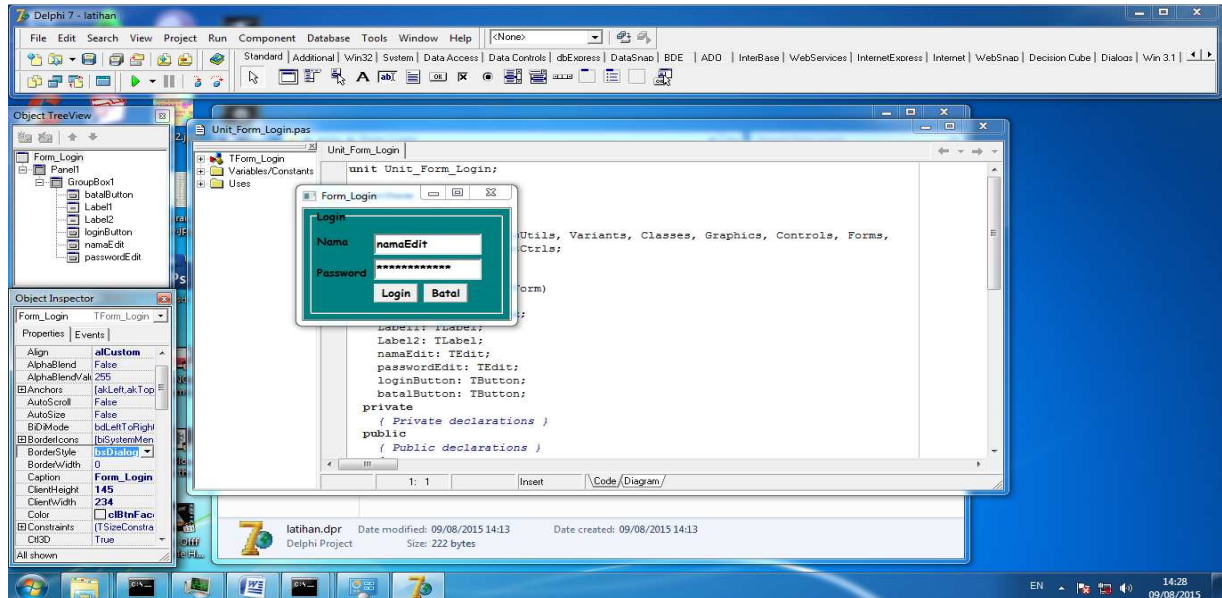
6. Set password char * (agar passwd yg diinputkan tidak terlihat).



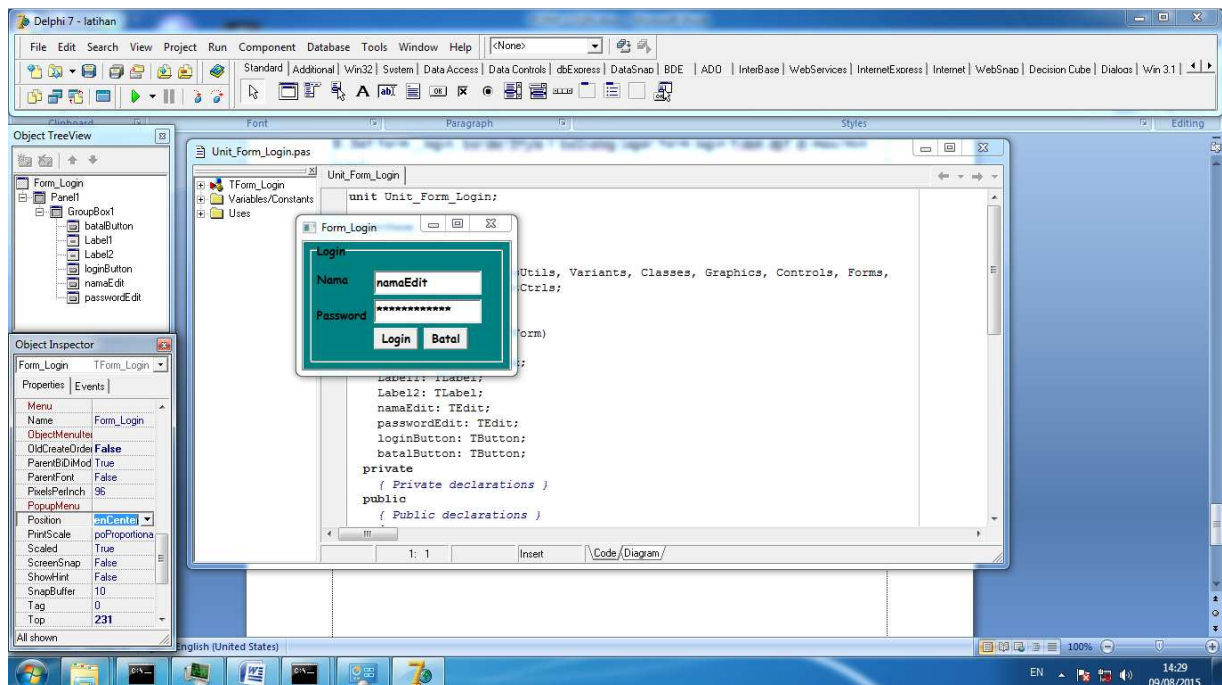
7. Set form _login, align = allcustom (agar form login tidak dpt di drag).



8. Set form _login, borderStyle = bsDialog (agar form login tidak dpt di max/min size).

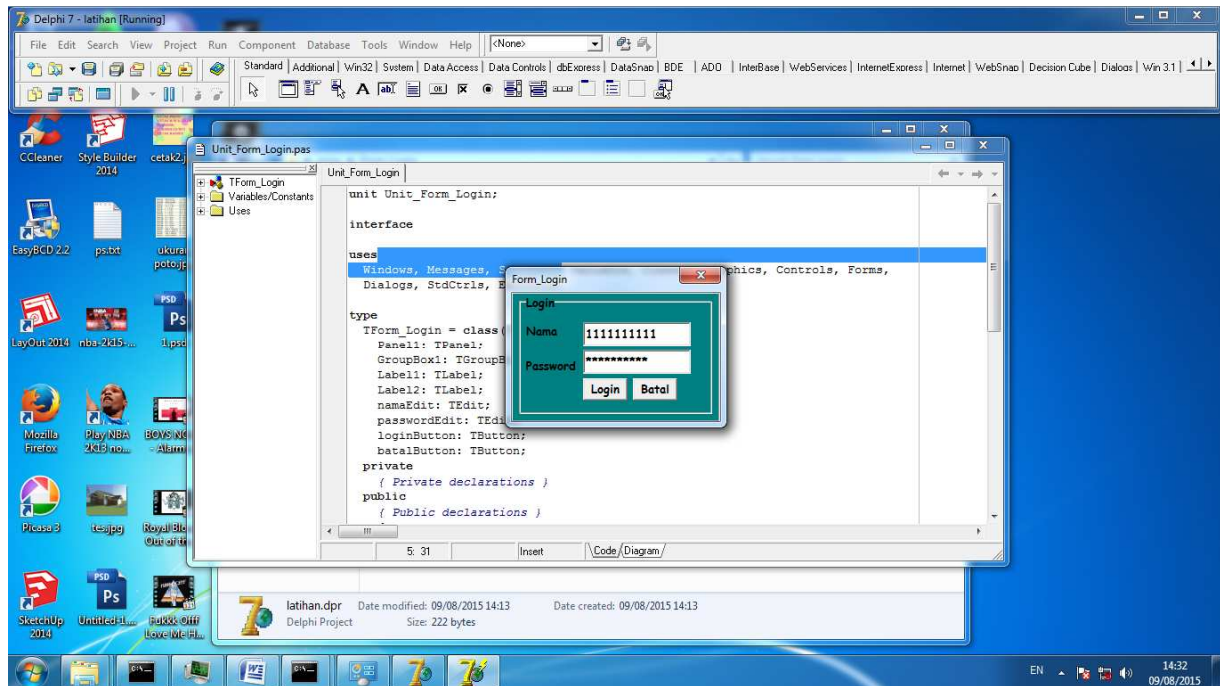


9. Set form _login, position = posScreenCenter (agar saat form login tampil otomatis di set pada center screen komputer).

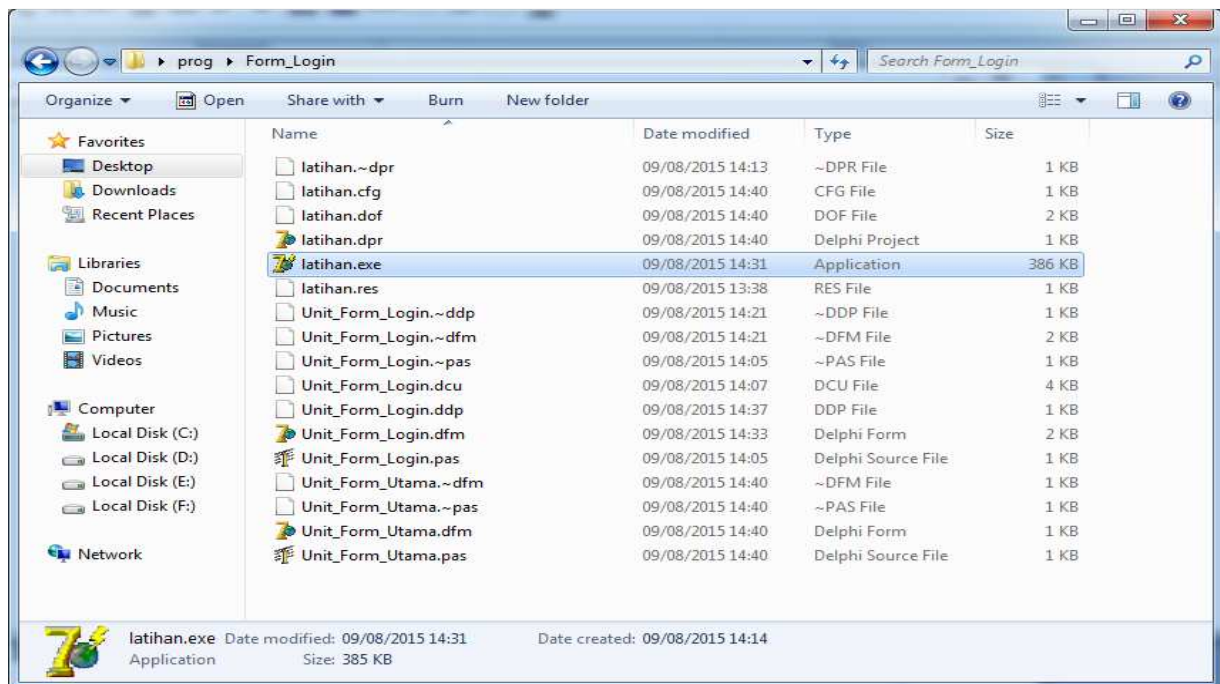


10. simpan dengan nama project latihan & Unit_Form_Login.

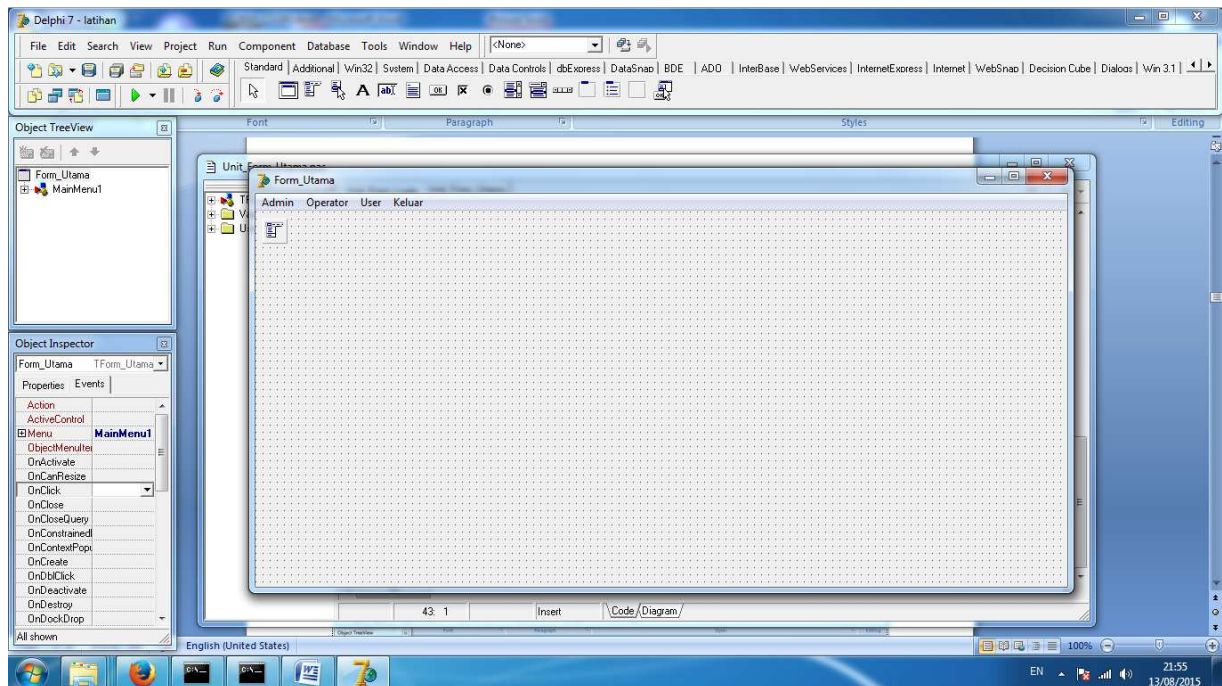
11. tes run form_login.



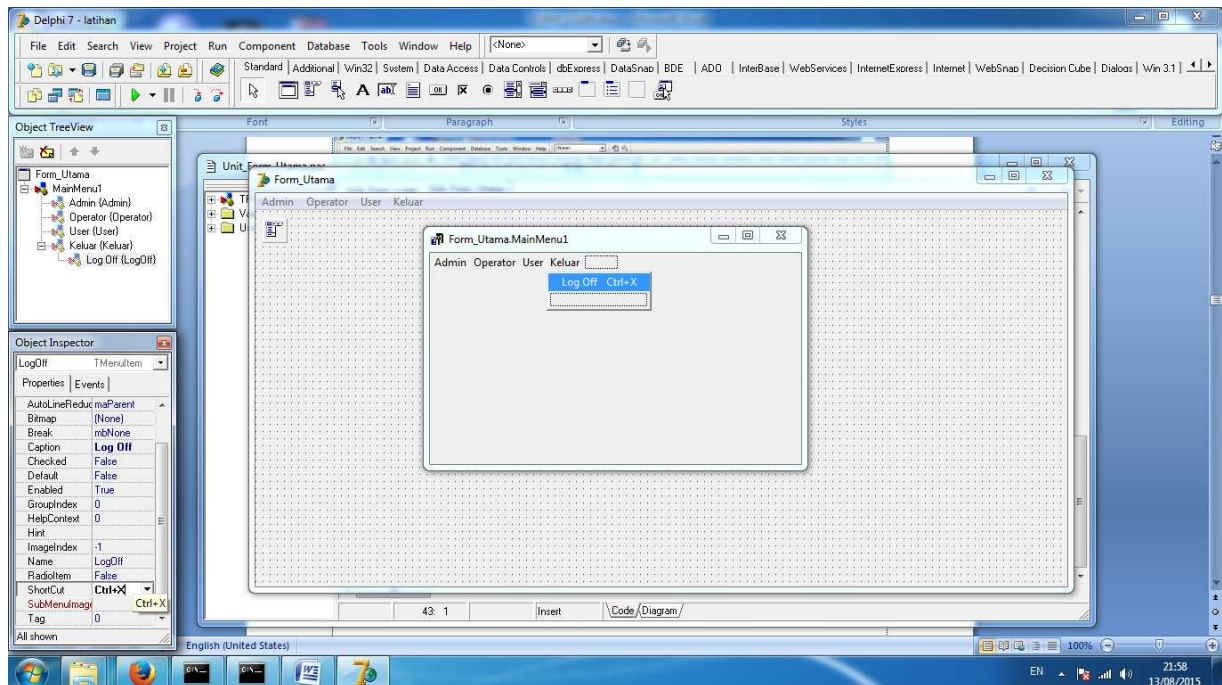
12. buat form_utama simpan dengan nama Unit_Form_Utama.



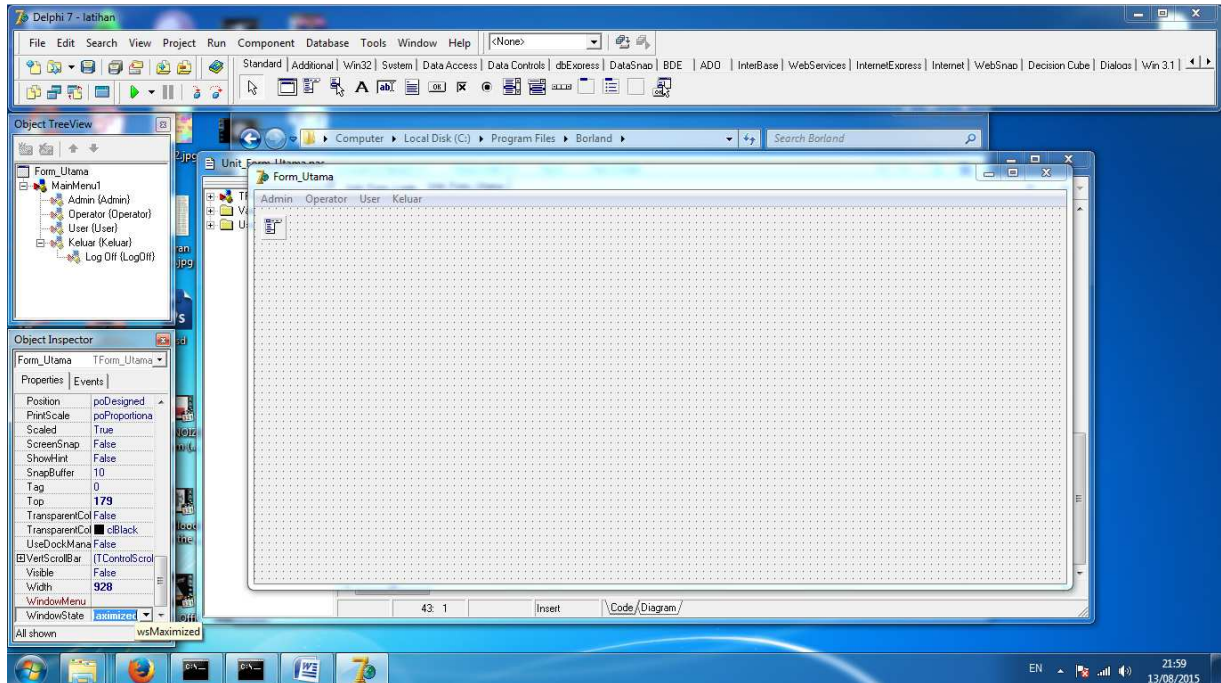
13. tambahkan komponen main menu, isi dengan menu (admin, operator, user, keluar).



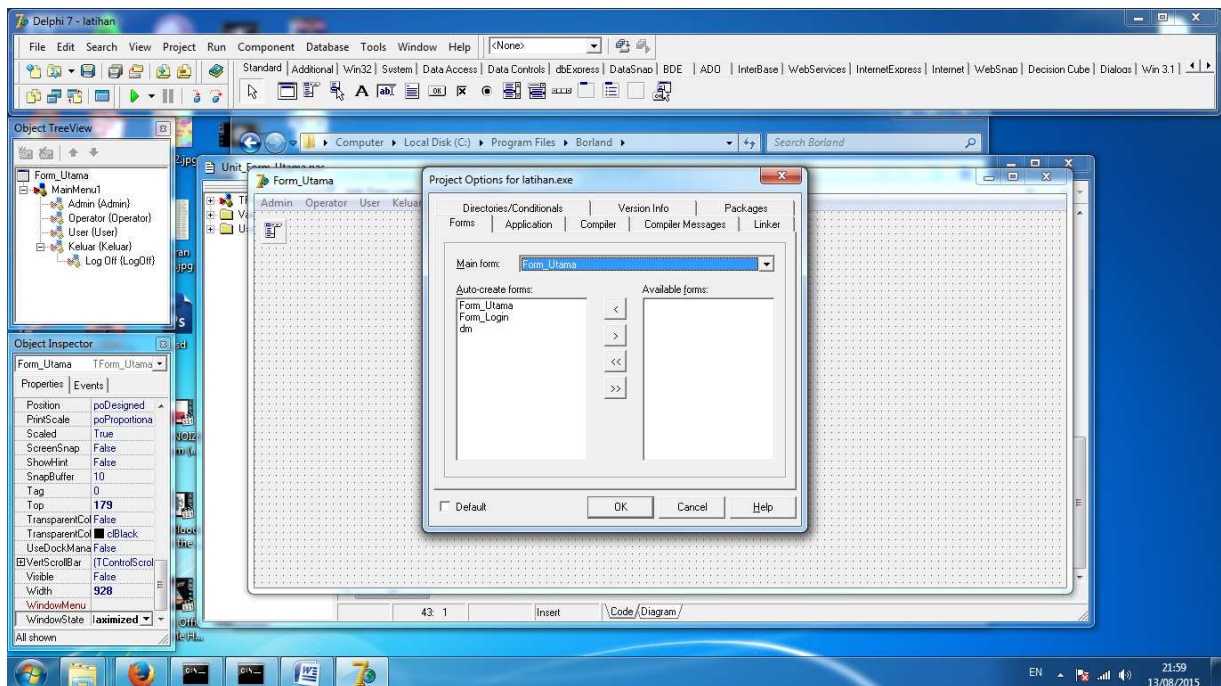
14. pada menu keluar, tambahkan sub menu log off dan set shortcut ctrl+x.



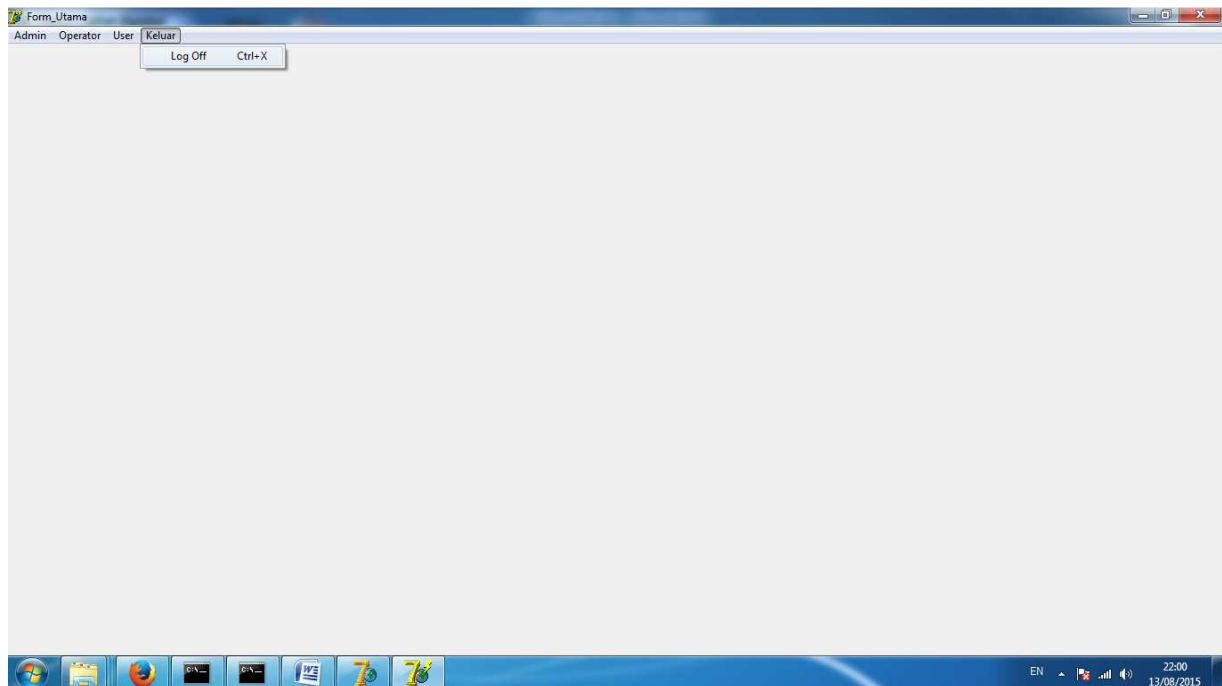
15. set form_utama, windowstate = wsmaximized (agar start form default ke maxsize).



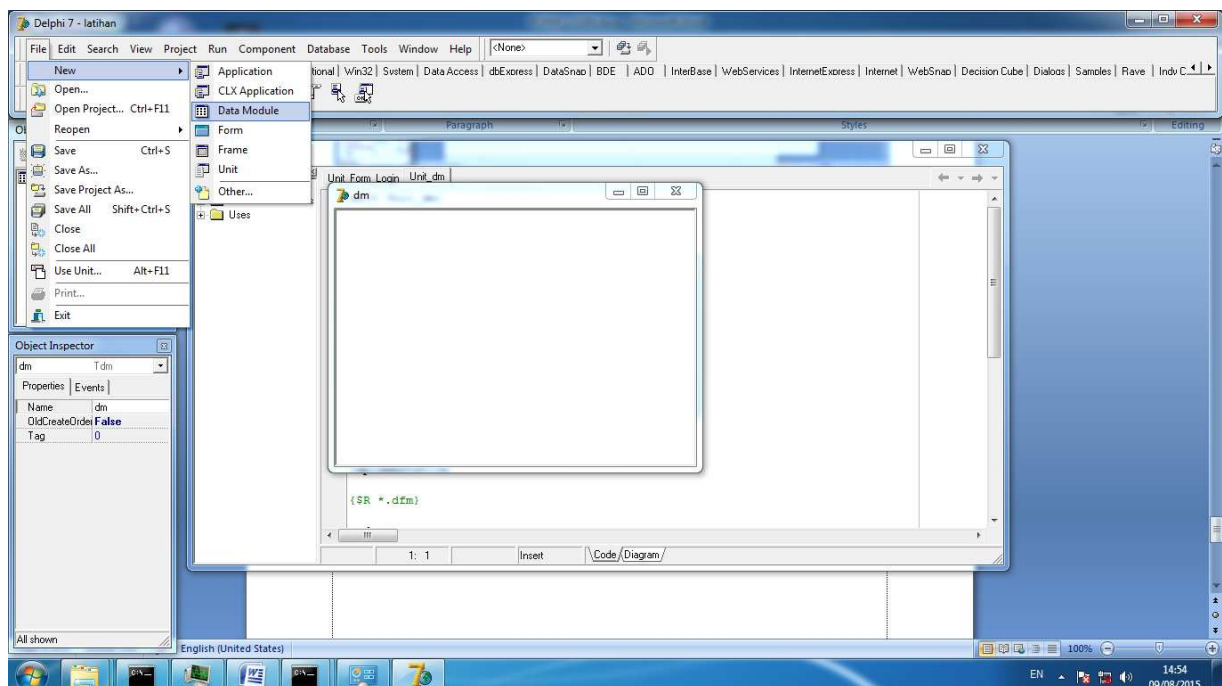
16. tes form_utama, set sebagai default form (project->options).



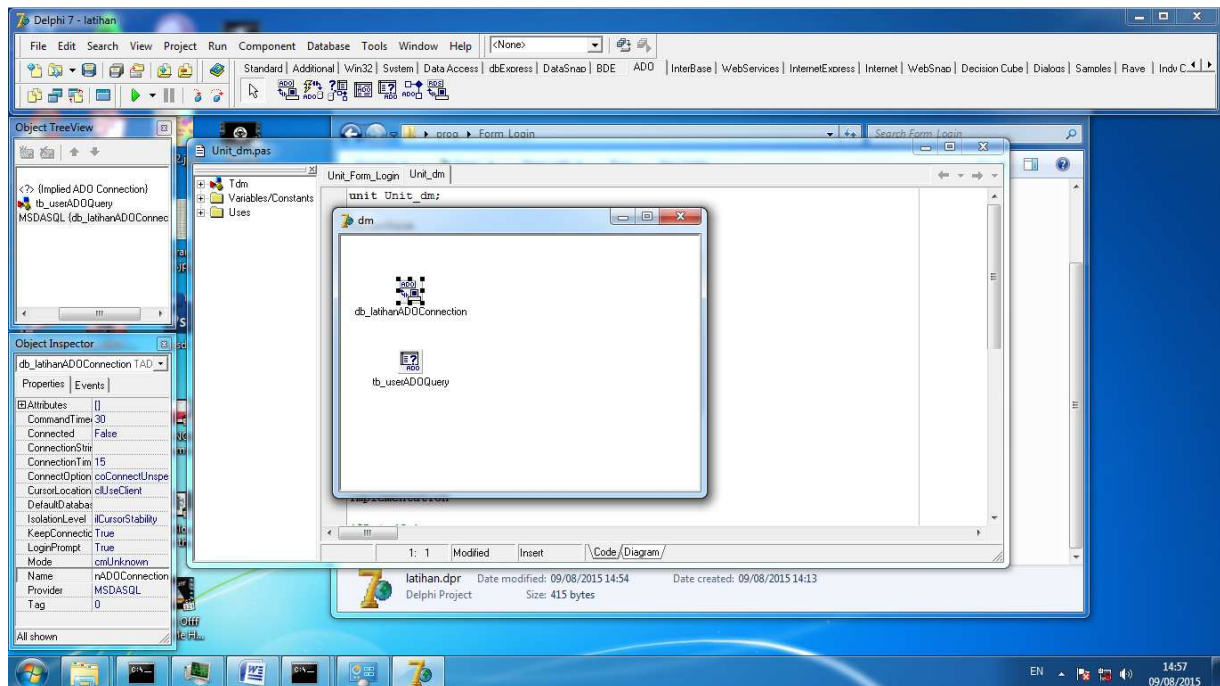
17. run form utama, jika sudah kembalikan lagi form login sebagai default form.



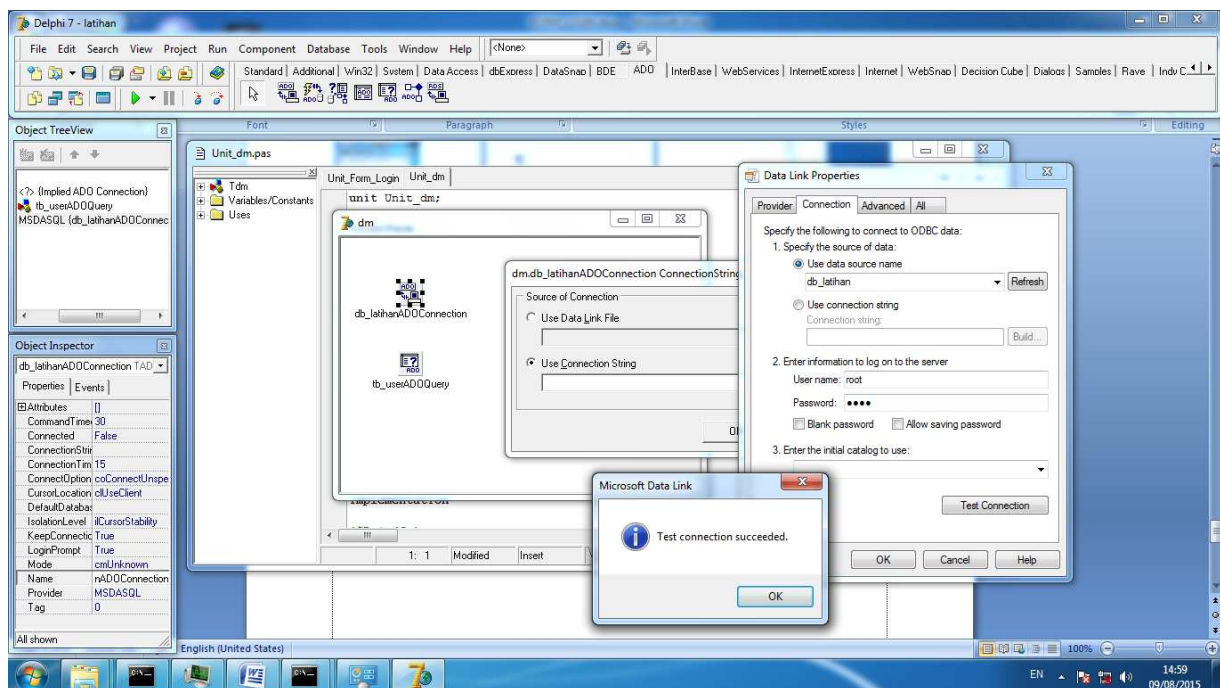
18. buat data module, simpan dengan nama Unit_dm.



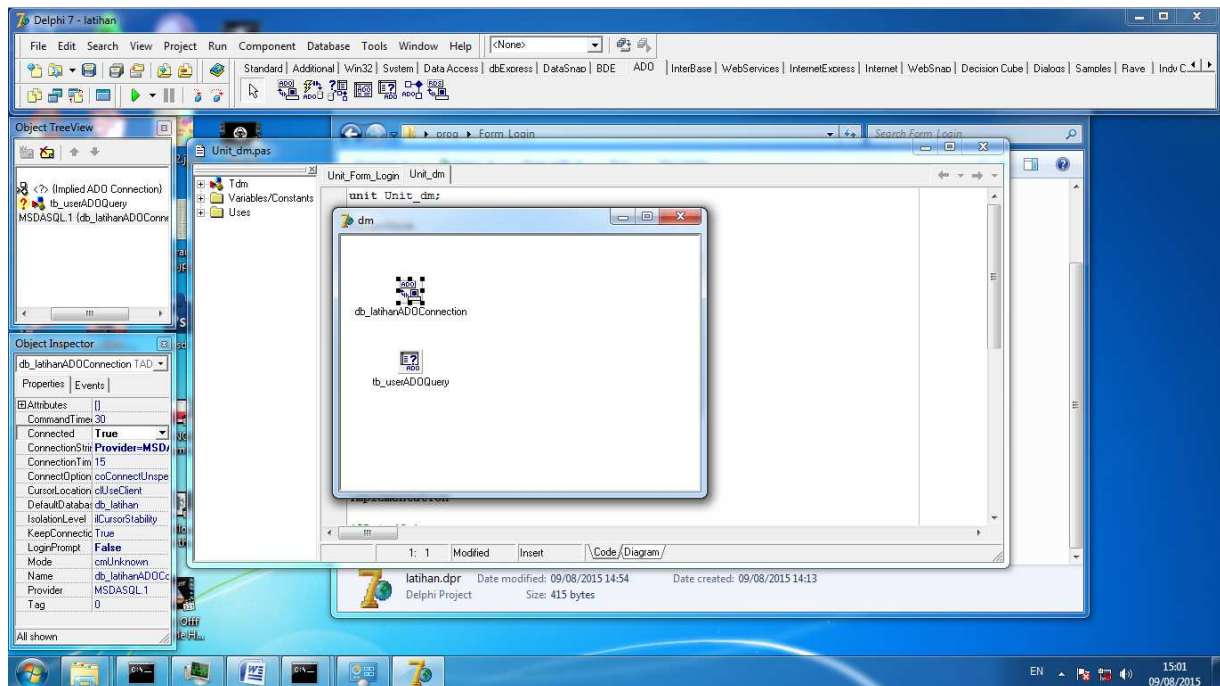
19. tambahkan ADOConnection & ADOQuery.



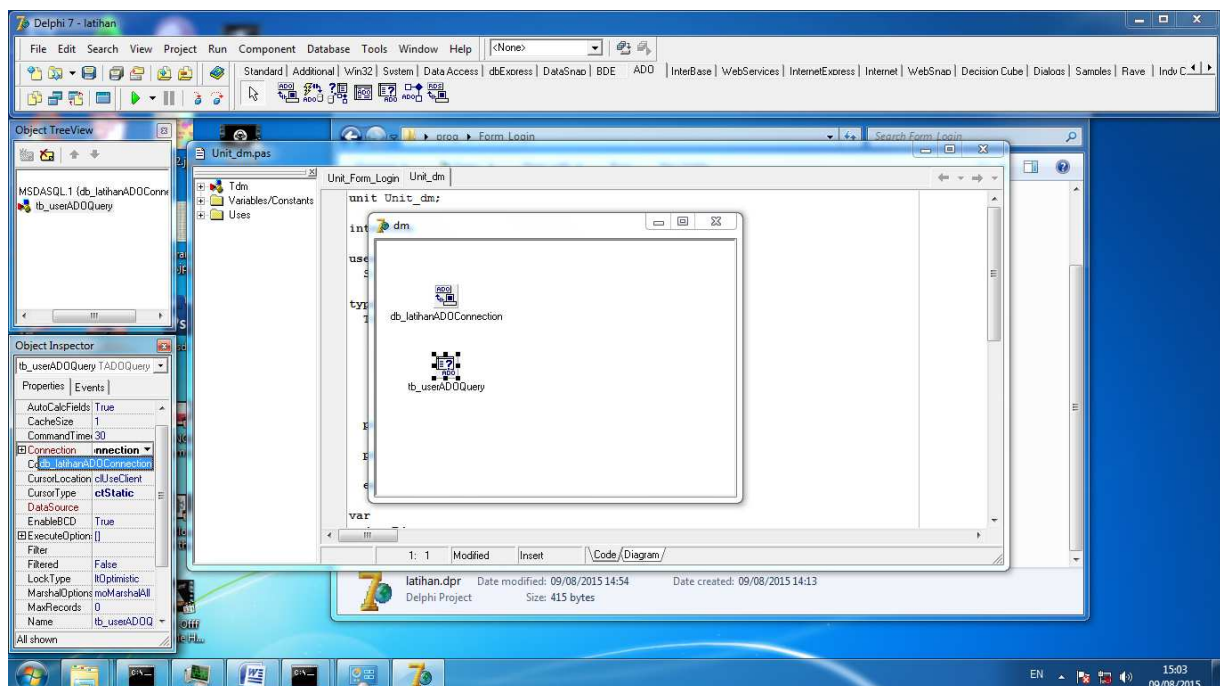
20. set ADOConnection, konek ke mysql connector db_latihan yg sudah kita buat sebelumnya.



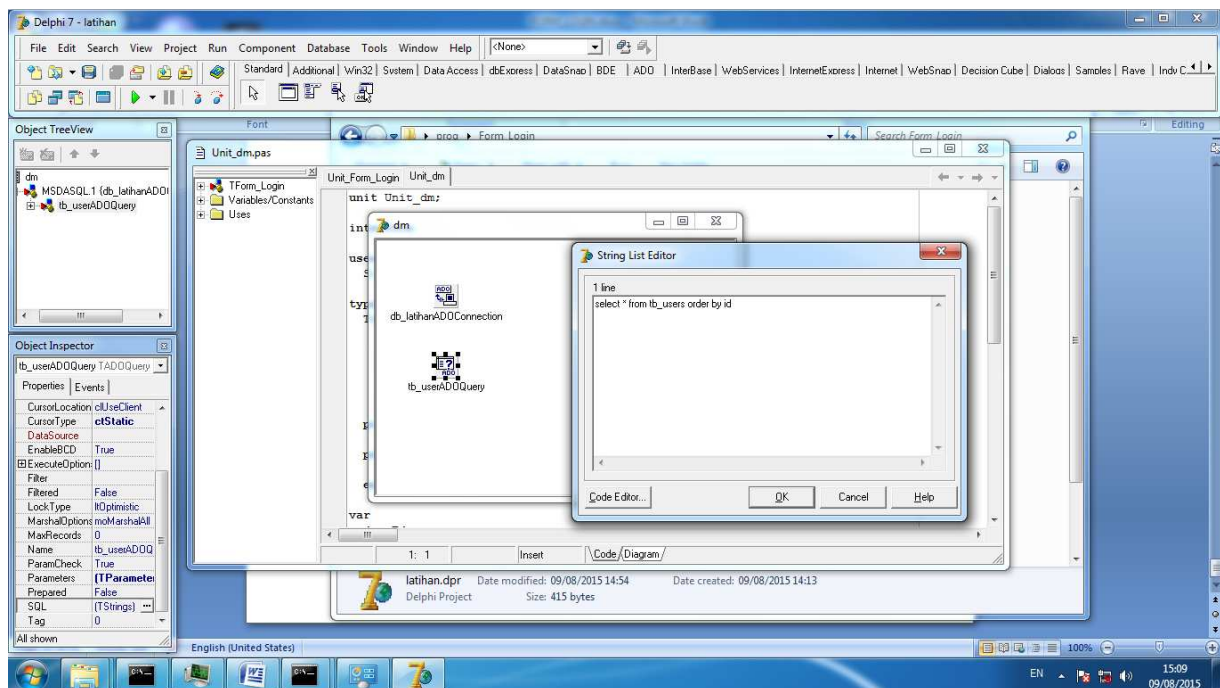
21. set connected = true & login prompt = false



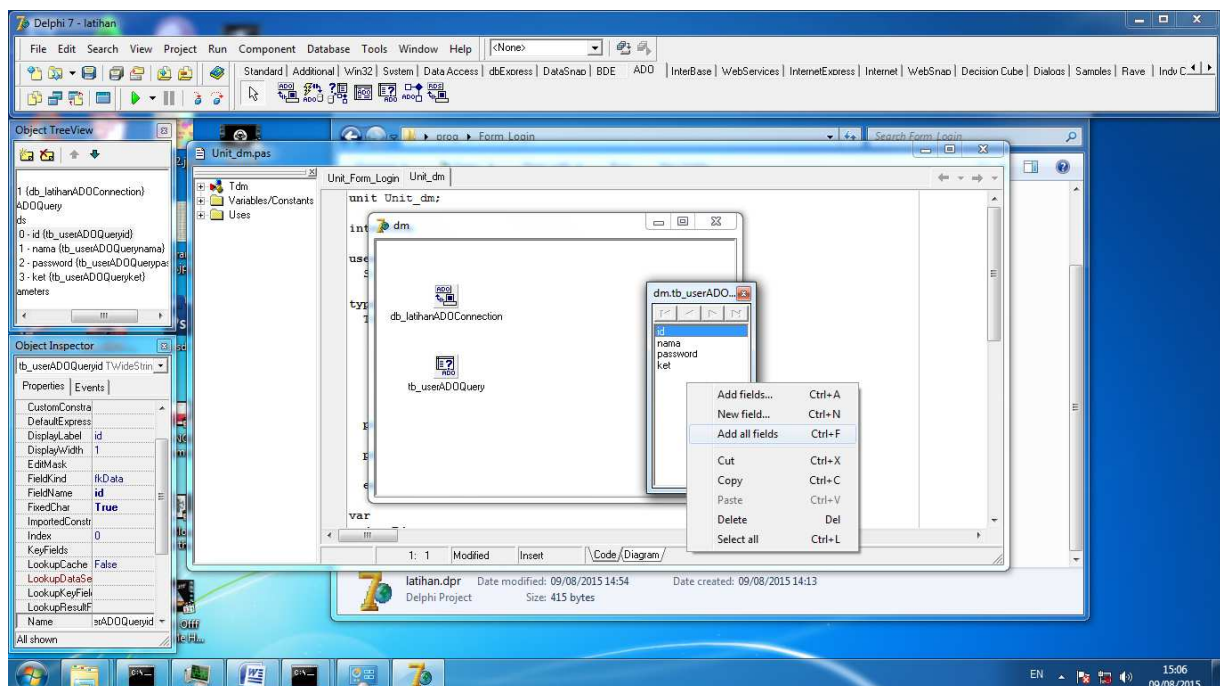
22. set ADOQuery, connection ke ADOConnection.



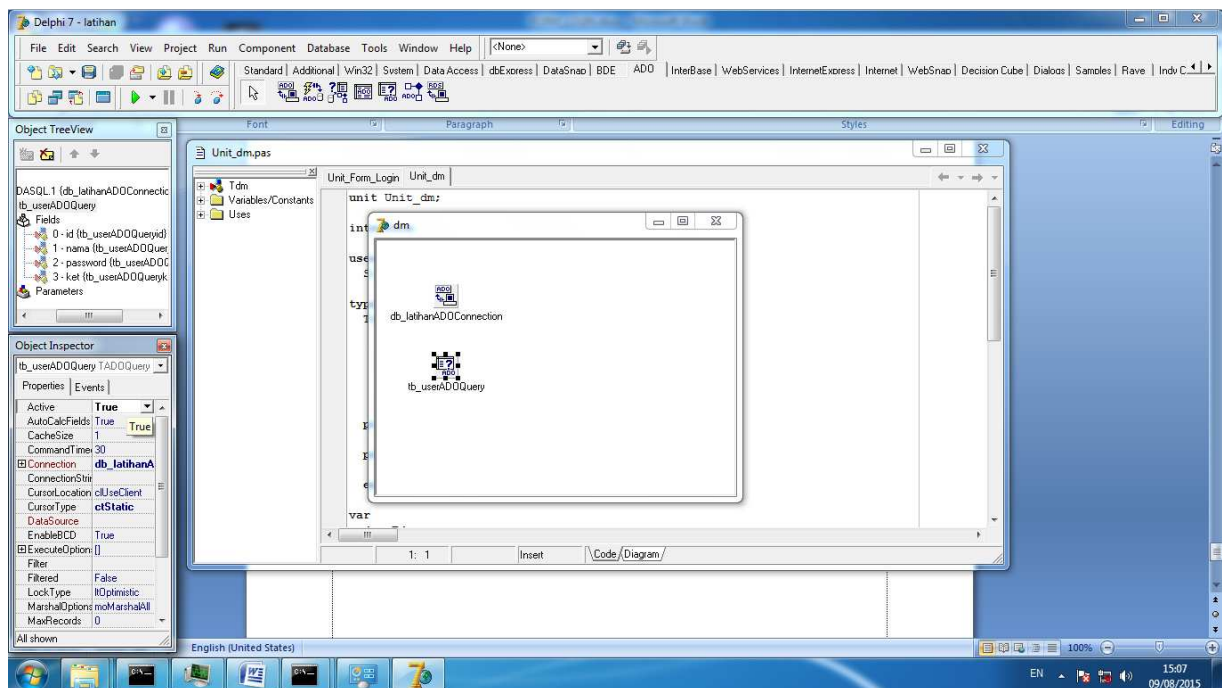
23. set SQL dan isi.



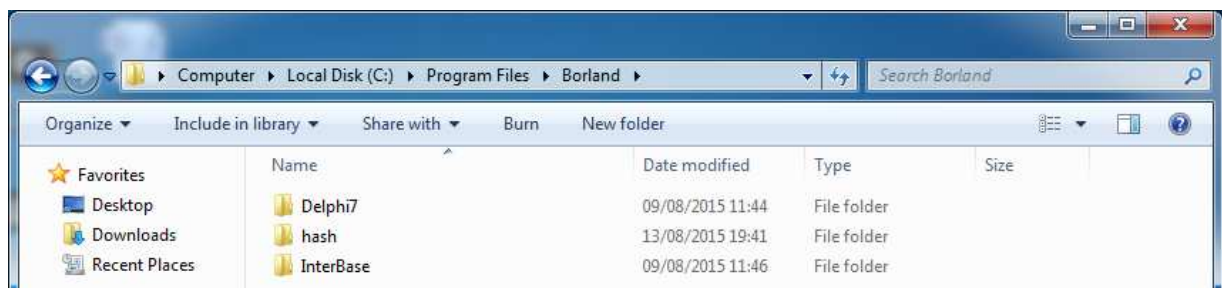
24. klik 2x adoquery & add all fields.



25. set active = true.



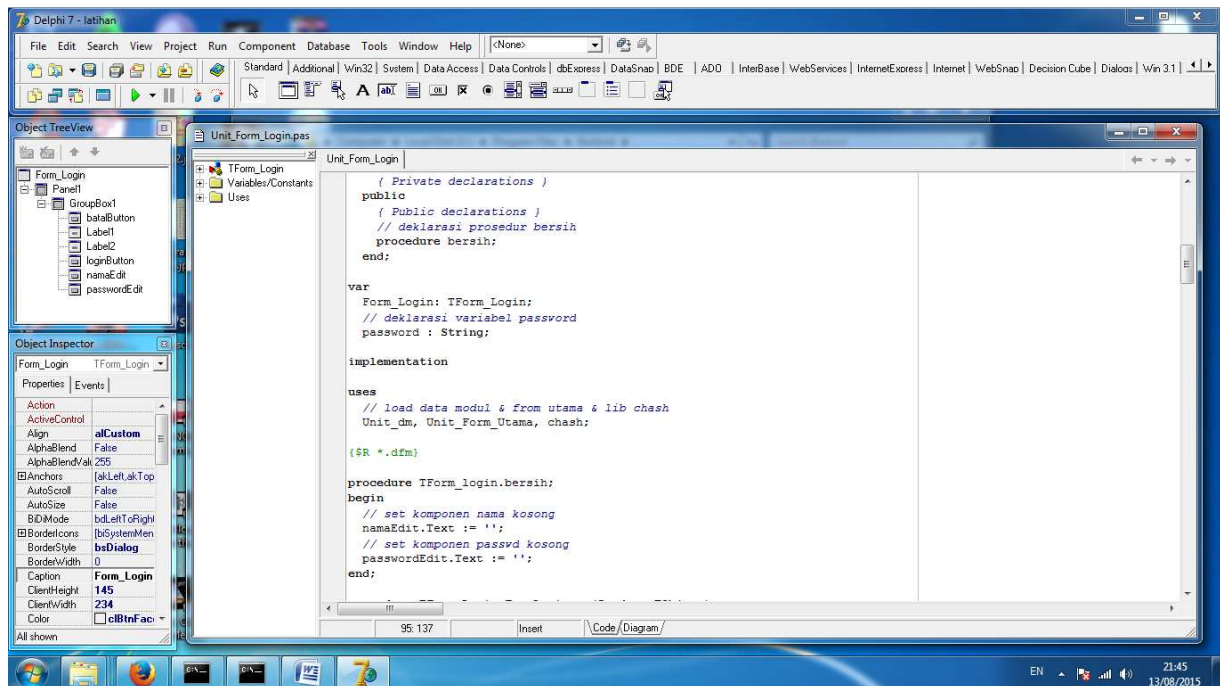
26. extract & copy folder hash(md5 library) ke c:\program files\borland\hash.



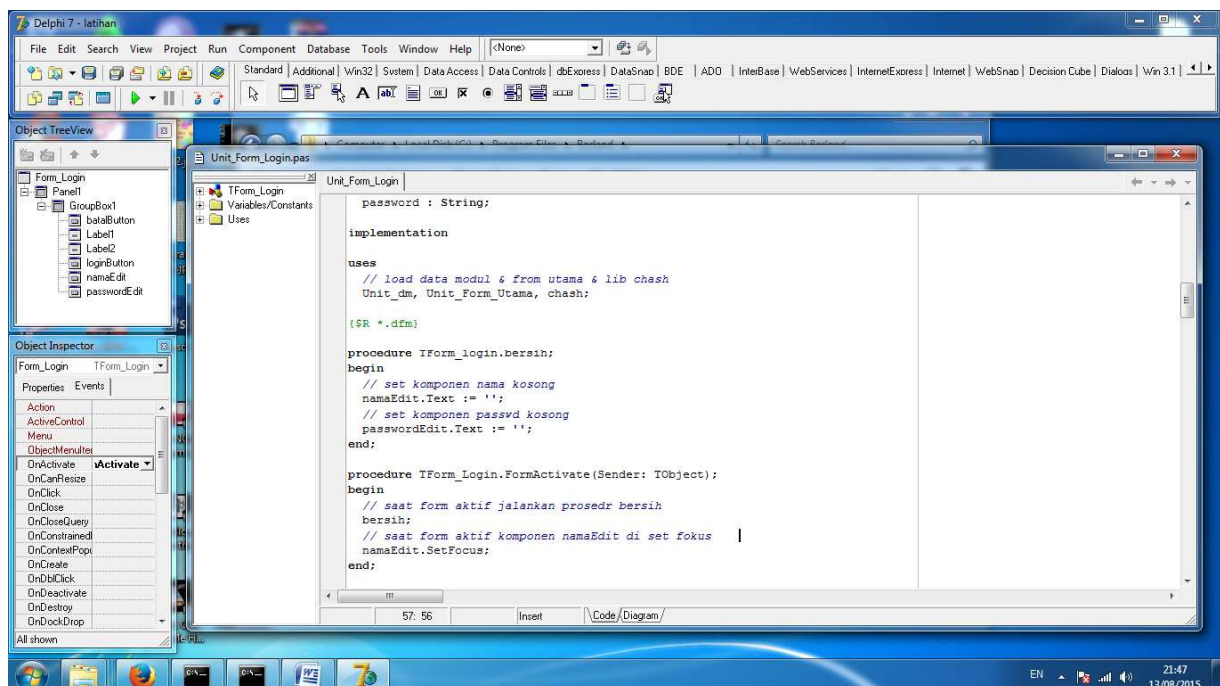
The screenshot shows the Delphi 7 IDE with the following components visible:

- Environment Options Dialog:** The "Libraries" tab is active. The "Library path:" is set to `$(DELPHI)\Lib;$(DELPHI)\Bin;$(DELPHI)\Imports`. The "BPL output directory:" is set to `$(DELPHI)\Projects\Bpl`. The "DCP output directory:" is set to `$(DELPHI)\Projects\Bpl`. The "Browsing path:" is set to `$(DELPHI)\source\vc\$(DELPHI)\Source\VC\It\...`.
- Directories Dialog:** This dialog shows an "Ordered list of Library paths:" with the following entries:
 - `$(DELPHI)\Lib`
 - `$(DELPHI)\Bin`
 - `$(DELPHI)\Imports`
 - `$(DELPHI)\Projects\Bpl`
 - `$(DELPHI)\Rave5\Lib`
 - `C:\Program Files\Borland\Dash` (highlighted in blue)
 Below the list, it says "Greyed items denote invalid path." and shows `C:\Program Files\Borland\Dash` as an invalid path. Buttons include "Replace", "Add", "Delete", "Delete Invalid Paths", "OK", "Cancel", and "Help".
- Object Inspector:** The "Form_Login" form is selected. The "Properties" tab is active. The "Align" property is set to `alCustom`. The "Caption" property is set to `Form_Login`. The "ClientHeight" property is set to `145`. The "ClientWidth" property is set to `234`. The "Color" property is set to `clBtnFace`.

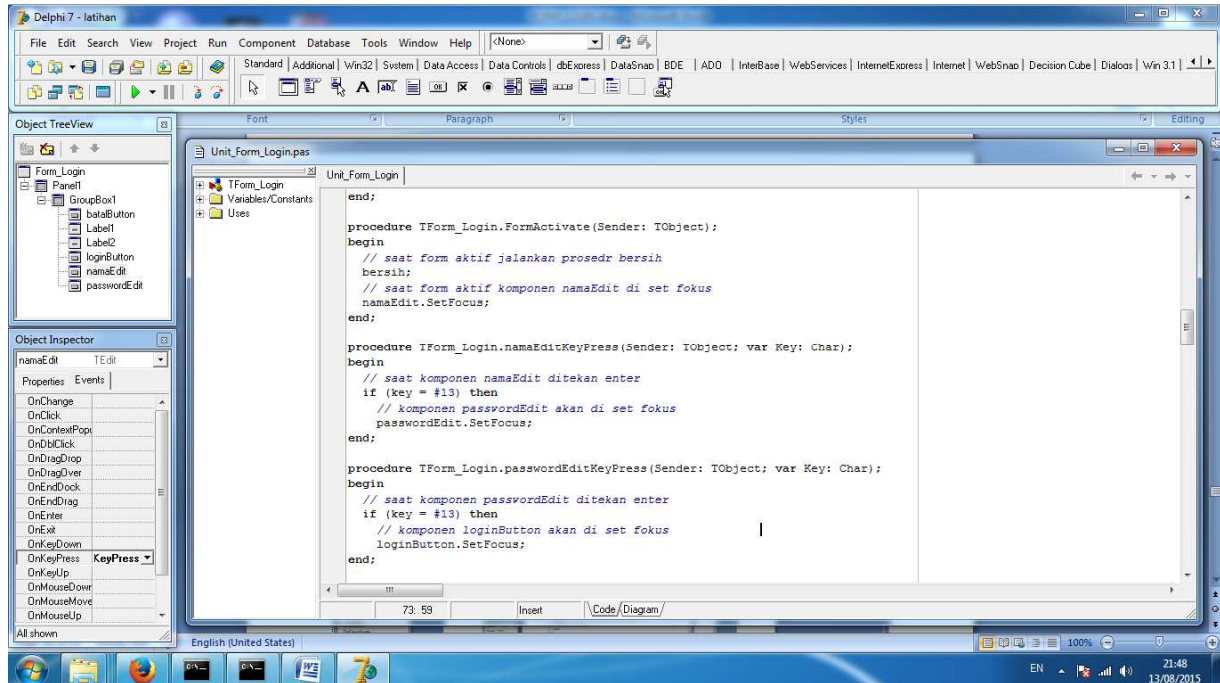
29. buat prosedur bersih & variable password.



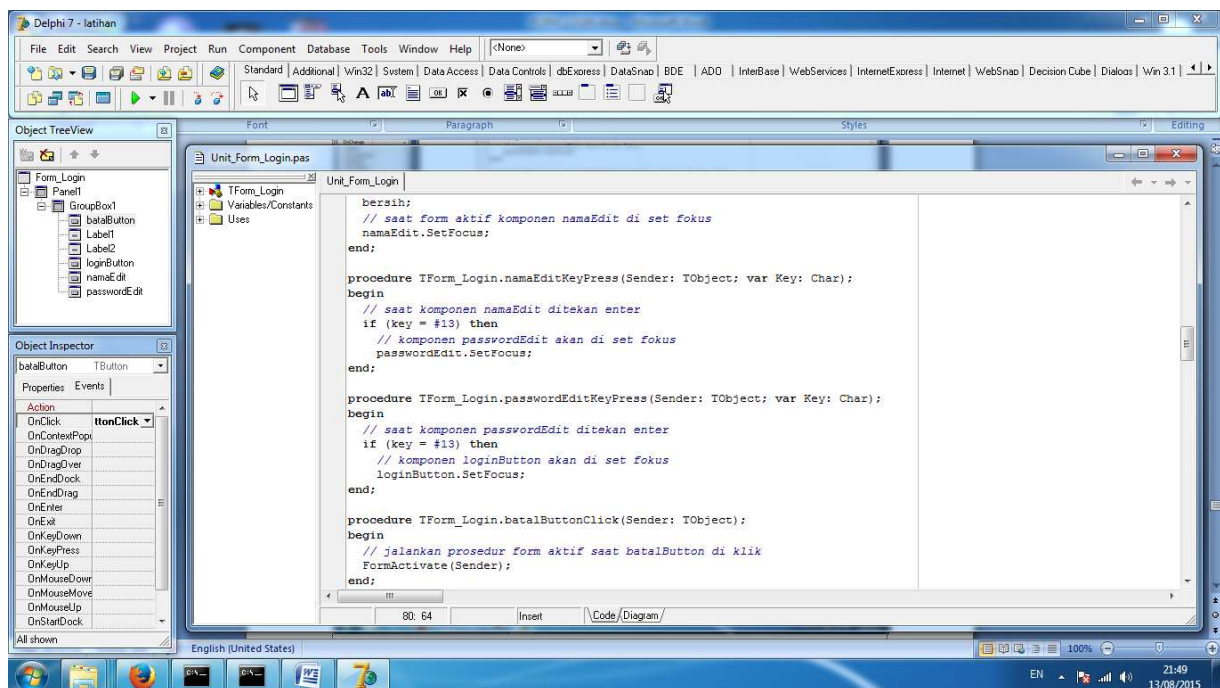
30. klik 2x form_login->event->onActive tambahkan baris ini.



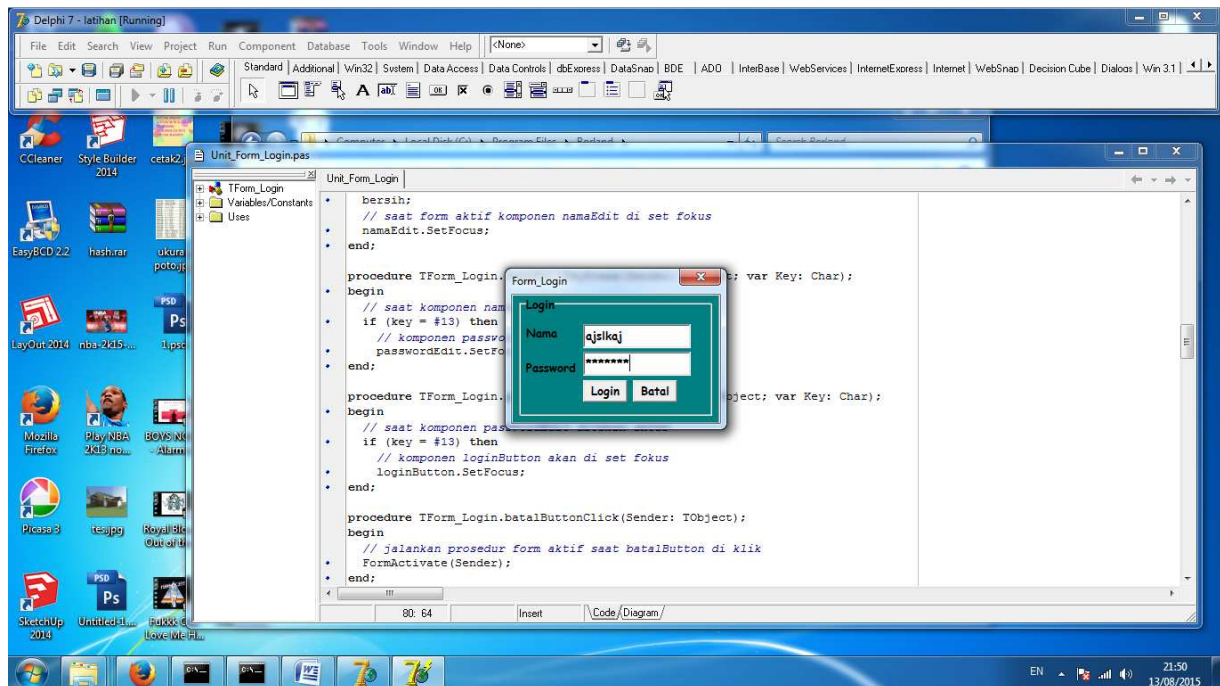
31. klik 2x namaEdit->event->onKeyPress tambahkan baris ini, lakukan hal yg sama pada passwordEdit.



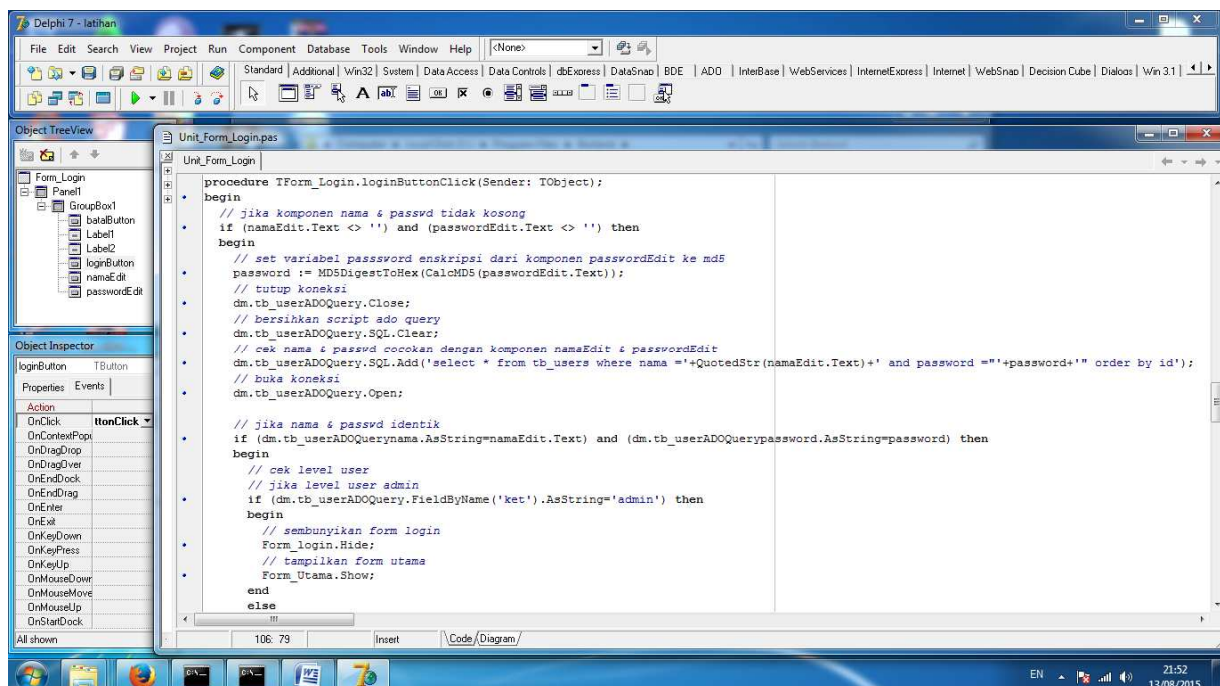
32. klik 2x batalButton->event->onClick tambahkan baris ini.

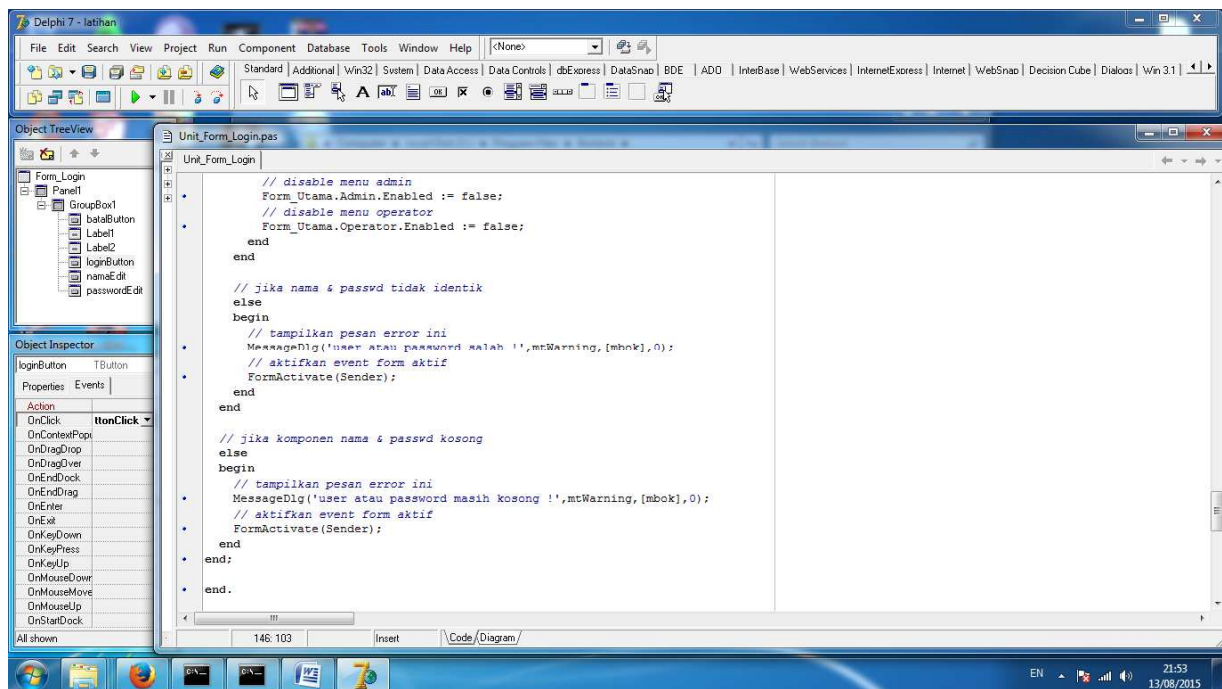
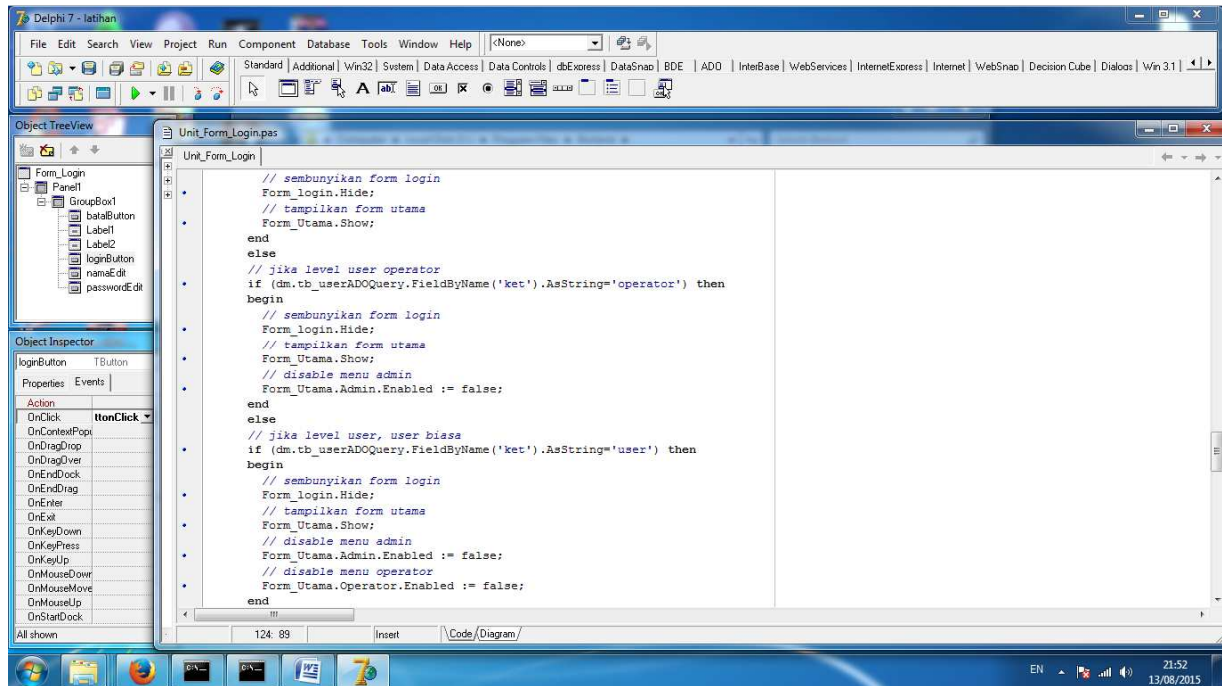


33. tes form_login.

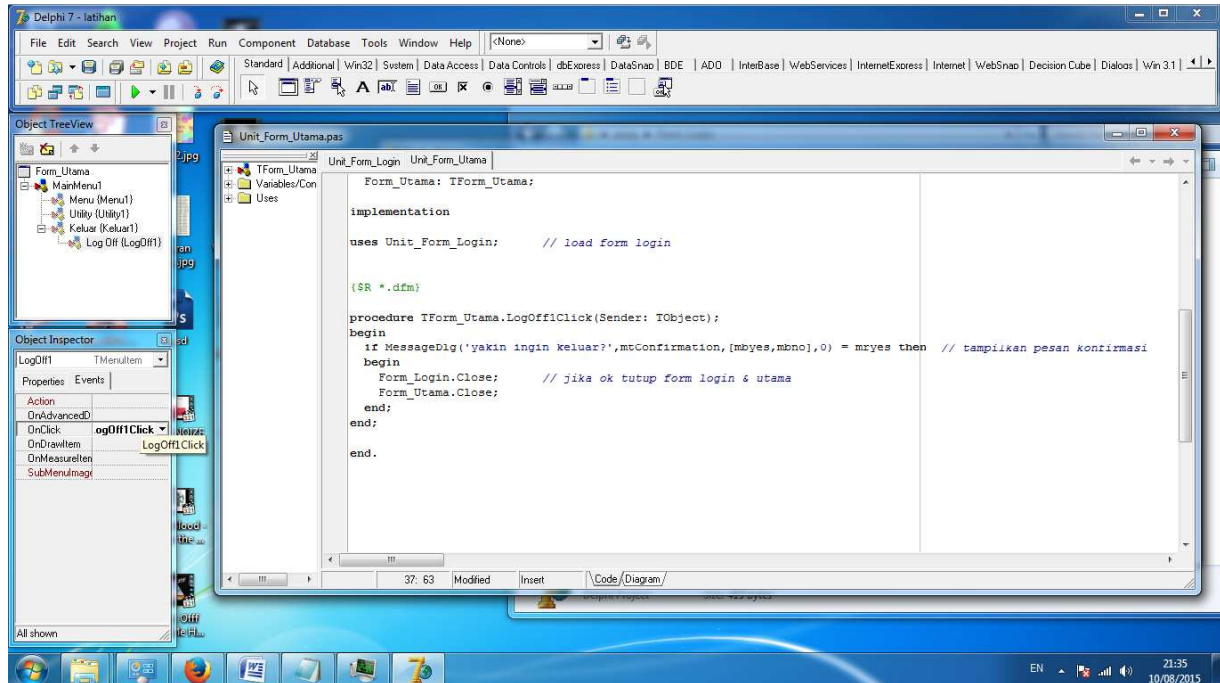


34. klik 2x loginButton->event->onClick tambahkan baris ini.

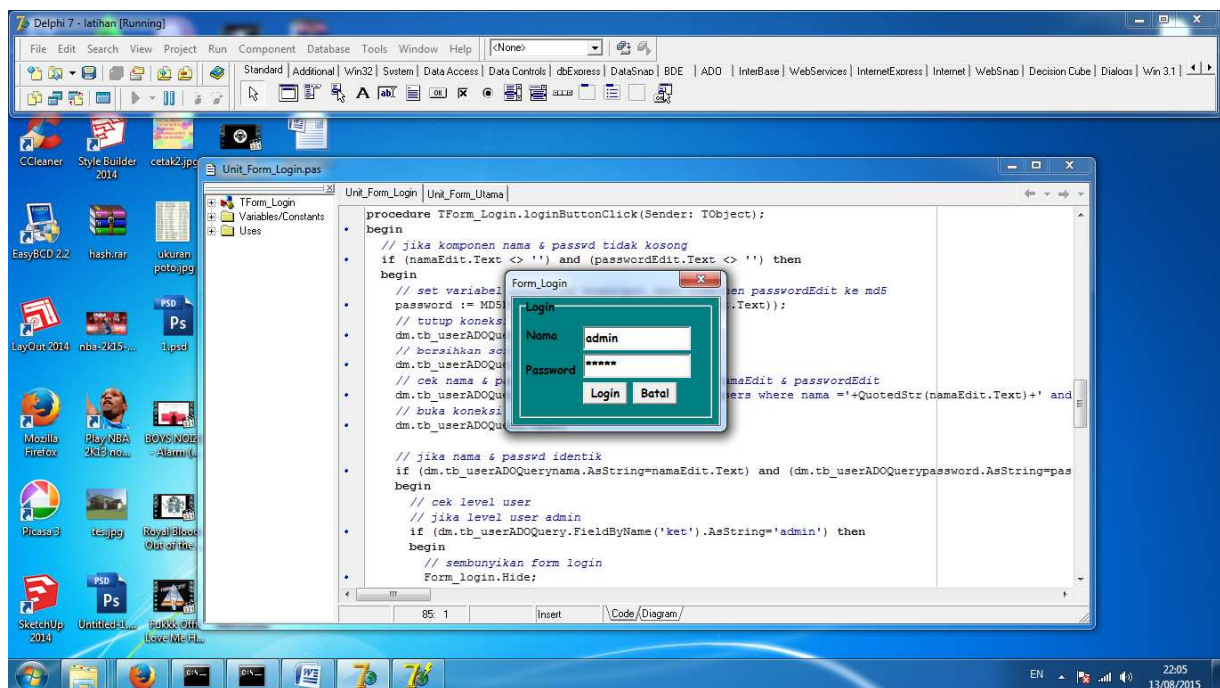




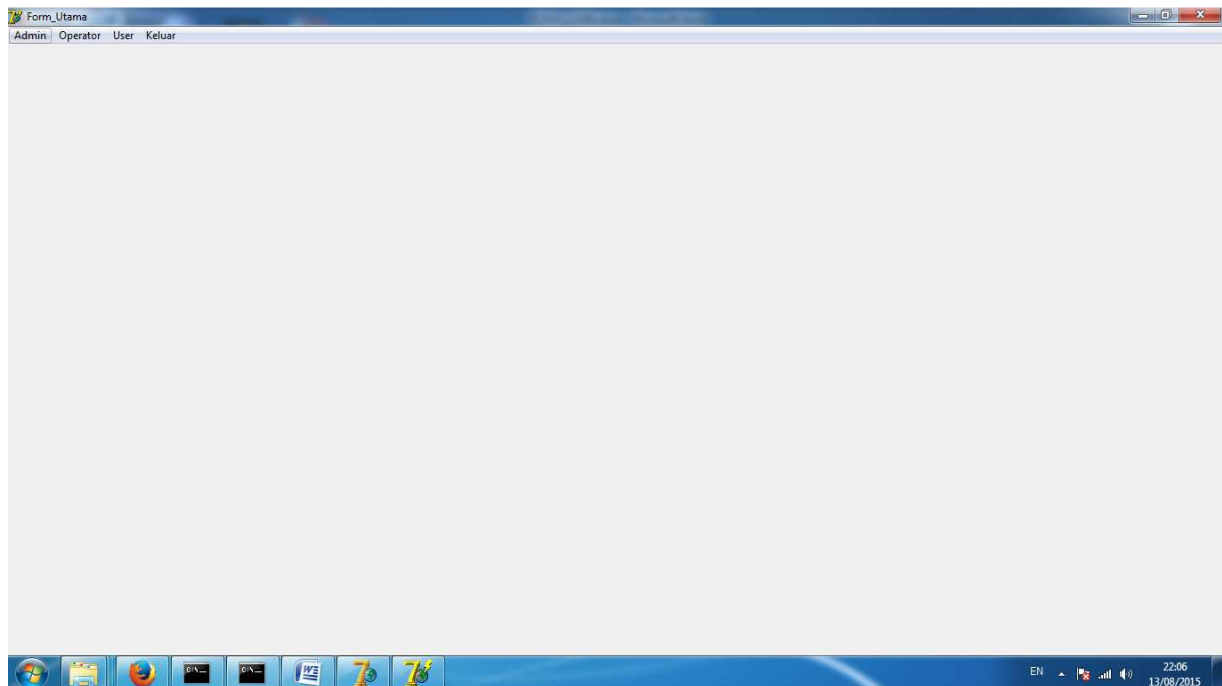
35. set form_utama, tambahkan uses Unit_Form_Login. klik 2x log off->event->onClick tambahkan baris ini.



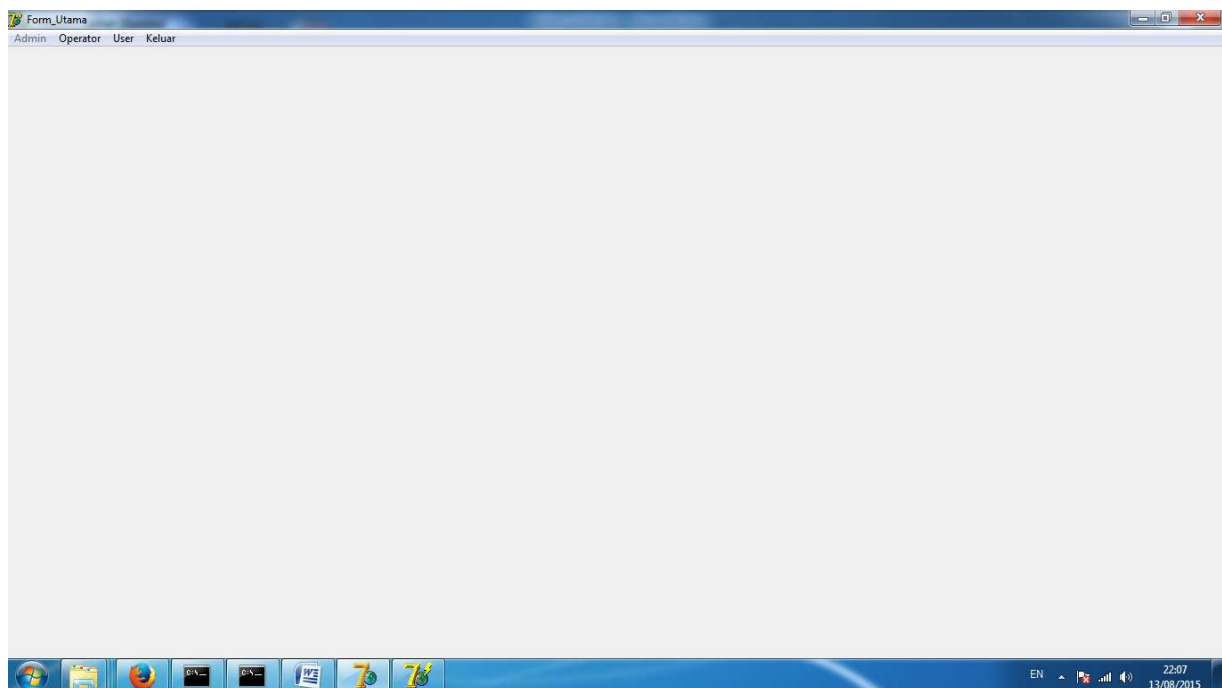
36. tes form_login, login sebagai admin (isikan user & pwd sesuai dengan database).



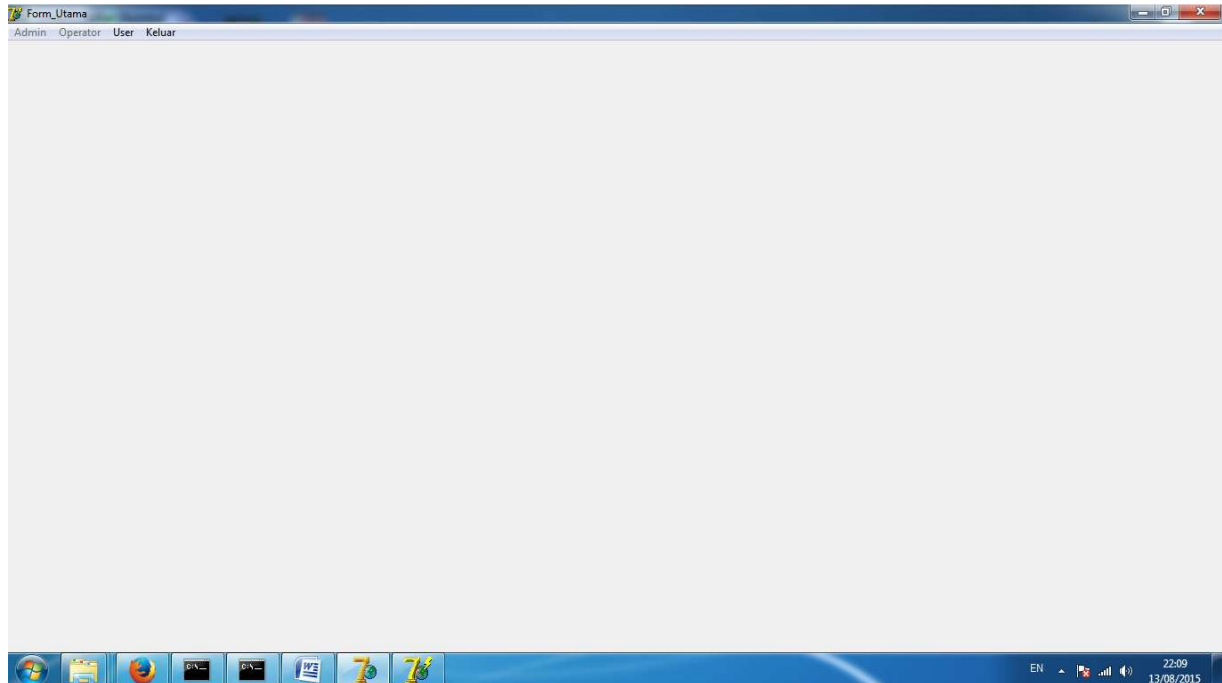
Login sebagai admin dapat akses penuh.



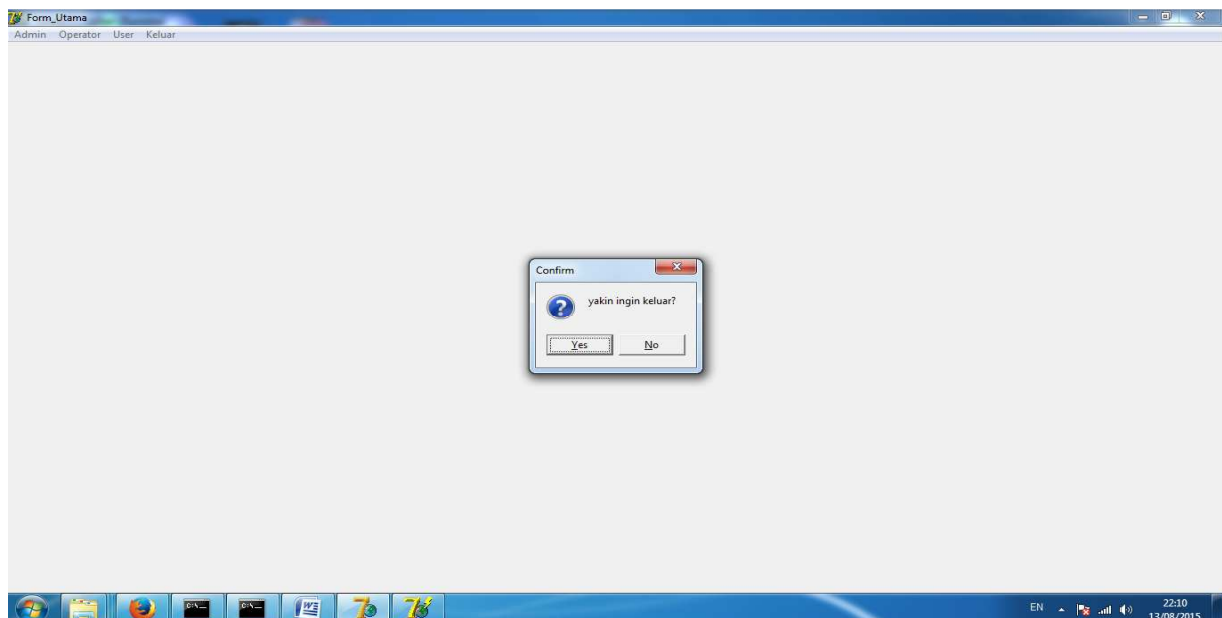
37. tes form_login, login sebagai operator (login sebagai operator tidak dapat akses menu admin).



38. tes form_login, login sebagai user1 (login sebagai user1 tidak dapat akses menu admin & operator).



39. tes log off.



Dok 10/08/2015 padliyulian@ymail.com