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NIM : L200170088

KELAS : D

MODUL : 11

KEGIATAN PRAKTIKUM

1. Install connectore mysql sesuai versi python
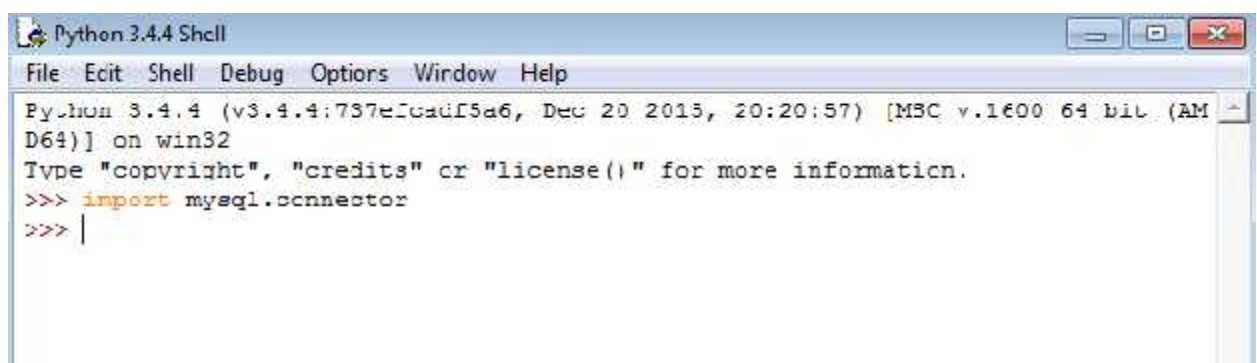

2. Cek import mysql.connector

3. Tulis code pada shell python


```
modul10.py - C:/Users/LABSI-08/Pictures/modul10.py (3.4.4)
File  Edit  Format  Run  Options  Window  Help

from datetime import date, datetime, timedelta
import mysql.connector

cnx = mysql.connector.connect(user='root',database='perbankan')
cursor = cnx.cursor()
tanggal = datetime.now().date()
update_transaksi = ("update transaksi\
                    set jumlah ='20000'\
                    where no_transaksi = 35")
cursor.execute(update_transaksi)

cnx.commit()
cursor.close()
cnx.close()


##from datetime import date, datetime, timedelta
##import mysql.connector
##
##cnx = mysql.connector.connect(user='root',database='perbankan')
##cursor = cnx.cursor()
##tanggal = datetime.now().date()
##delete_transaksi = ('delete from transaksi\
##                     where no_transaksi = 52')
##cursor.execute(delete_transaksi)
##
##cnx.commit()
##cursor.close()
##cnx.close()
```

4. Masuk ke Command Prompt

```
C:\Python34\Scripts>cd C:/xampp/mysql/bin

C:\xampp\mysql\bin>mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 32
Server version: 10.1.37-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use perbankan
Database changed
MariaDB [perbankan]> select * from transaksi;
```

no_transaksi	jumlah	id_nasabahFK	no_rekeningFK	jenis_transaksi	tanggal
32	50000	3	105	debit	2009-11-10 00:00
33	40000	2	103	debit	2009-11-10 00:00
34	20000	4	101	kredit	2009-11-12 00:00
35	50000	3	106	debit	2009-11-13 00:00
36	30000	5	107	kredit	2009-11-13 00:00
37	200000	1	104	kredit	2009-11-15 00:00
38	150000	9	110	kredit	2009-11-15 00:00
39	20000	5	102	debit	2009-11-16 00:00
40	50000	3	105	kredit	2009-11-18 00:00
41	100000	4	107	debit	2009-11-19 00:00
42	100000	2	103	debit	2009-11-19 00:00
43	50000	1	104	debit	2009-11-19 00:00
44	200000	1	107	kredit	2009-11-20 00:00
45	40000	3	105	debit	2009-11-21 00:00
46	100000	1	104	kredit	2009-11-22 00:00
47	20000	4	101	kredit	2009-11-22 00:00

TUGAS

1. Insert transaksi

- Update nasabah

```
File  Edit  Format  Run  Options  Window  Help

from datetime import date, datetime, timedelta
import mysql.connector

cnx = mysql.connector.connect(user='root',database='perbankan')
cursor = cnx.cursor()
tanggal = datetime.now().date()
update_transaksi = ("update nasabah\
                     set nama_nasabah ='anggi'\
                     where id_nasabah = 2")
cursor.execute(update_transaksi)

cnx.commit()
cursor.close()
cnx.close()


##from datetime import date, datetime, timedelta
##import mysql.connector
##
##cnx = mysql.connector.connect(user='root',database='perbankan')
##cursor = cnx.cursor()
##tanggal = datetime.now().date()
##delete_transaksi = ("delete from transaksi\
##                     where no_transaksi = 52")
##cursor.execute(delete_transaksi)
##
##cnx.commit()
##cursor.close()
##cnx.close()
```

- Hasil

		id_nasabah	nama_nasabah	alamat_nasabah
☐ Edit 3+i Copy ⊖ Delete		1	Sutopo	Jl. Jendral Sudirman 12
☐ Edit 3+i Copy ⊖ Delete		2	anggi	Jl. MT Haryono 31
☐ Edit 3+i Copy ⊖ Delete		3	Suparman	Jl. Hasanudin 81
☐ Edit 3+i Copy ⊖ Delete		4	Kartika Padmasari	Jl. Manggis 15
☐ Edit 3+i Copy ⊖ Delete		5	Budi Eko Prayogo	Jl. Kantil 30
☐ Edit 3+i Copy ⊖ Delete		6	Ratna Eka Jaya	Jl. Slamet Riyadi 45
☐ Edit 3+i Copy ⊖ Delete		7	Indri Hapsari	Jl. Sutoyo 5
☐ Edit 3+i Copy ⊖ Delete		8	Sari Murti	Jl. Pangandaran 11
☐ Edit 3+i Copy ⊖ Delete		9	Canka Lokananta	Jl. Tidar 86
☐ Edit 3+i Copy ⊖ Delete		10	Budi Murtono	Jl. Merak 22
☐ Edit 3+i Copy ⊖ Delete		11	Joko Ndu Kondo	Jl. Bareng jadian kagak
☐ Edit 3+i Copy ⊖ Delete		12	Jon Koplo	Jl. Angin Besar 12
=perbankan&table=nasabah has rsk...		13	Anggit	Solo

- Update transaksi

```
from datetime import date, datetime, timedelta
import mysql.connector

cnx = mysql.connector.connect(user='root',database='perbankan')
cursor = cnx.cursor()
tanggal = datetime.now().date()
update_transaksi = ("update transaksi\
                    set jumlah ='20000'\
                    where no transaksi = 35")
cursor.execute(update_transaksi)

cnx.commit()
cursor.close()
cnx.close()


##from datetime import date, datetime, timedelta
##import mysql.connector

##con = mysql.connector.connect(user='root',database='perbankan')
##cursor = con.cursor()
##tanggal = datetime.now().date()
##tambah transaksi = ('INSERT INTO transaksi VALUES (%s, %s, %s, %s, %s, %s)
##
##
##data_transaksi = ('','26','150','kredit',tanggal, '70000')
##cursor.execute(tambah_transaksi, data_transaksi)
##
##con.commit()
##cursor.close()
##con.close()
```

- Hasil :

a. Sebelum

b. Setelah

- Delete transaksi


```
from datetime import date, datetime, timedelta
import mysql.connector

##cnx = mysql.connector.connect(user='root',database='perbankan')
##cursor = cnx.cursor()
##tanggal = datetime.now().date()
##update_transaksi = ("update transaksi\
##                    set jumlah ='20000'\
##                    where no_transaksi = 35")
##cursor.execute(update_transaksi)
##
##cnx.commit()
##cursor.close()
##cnx.close()


from datetime import date, datetime, timedelta
import mysql.connector

cnx = mysql.connector.connect(user='root',database='perbankan')
cursor = cnx.cursor()
tanggal = datetime.now().date()
delete_transaksi = ("delete from transaksi\
                    where no_transaksi = 32")
cursor.execute(delete_transaksi)

cnx.commit()
cursor.close()
cnx.close()
```
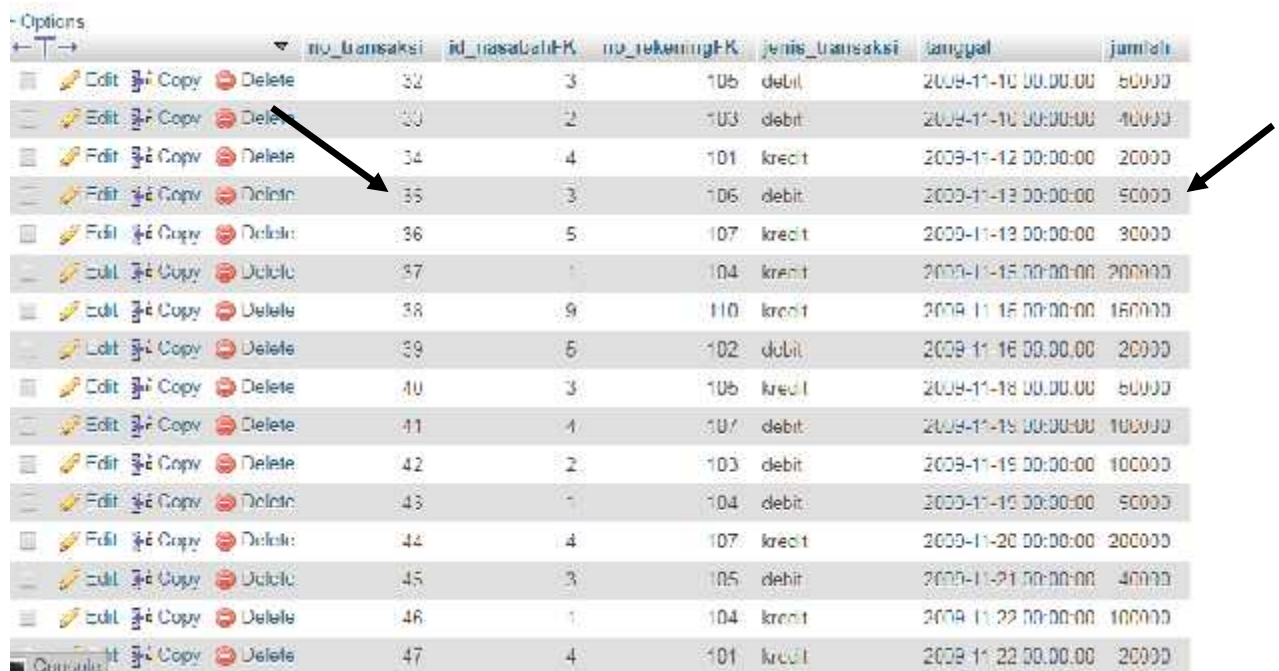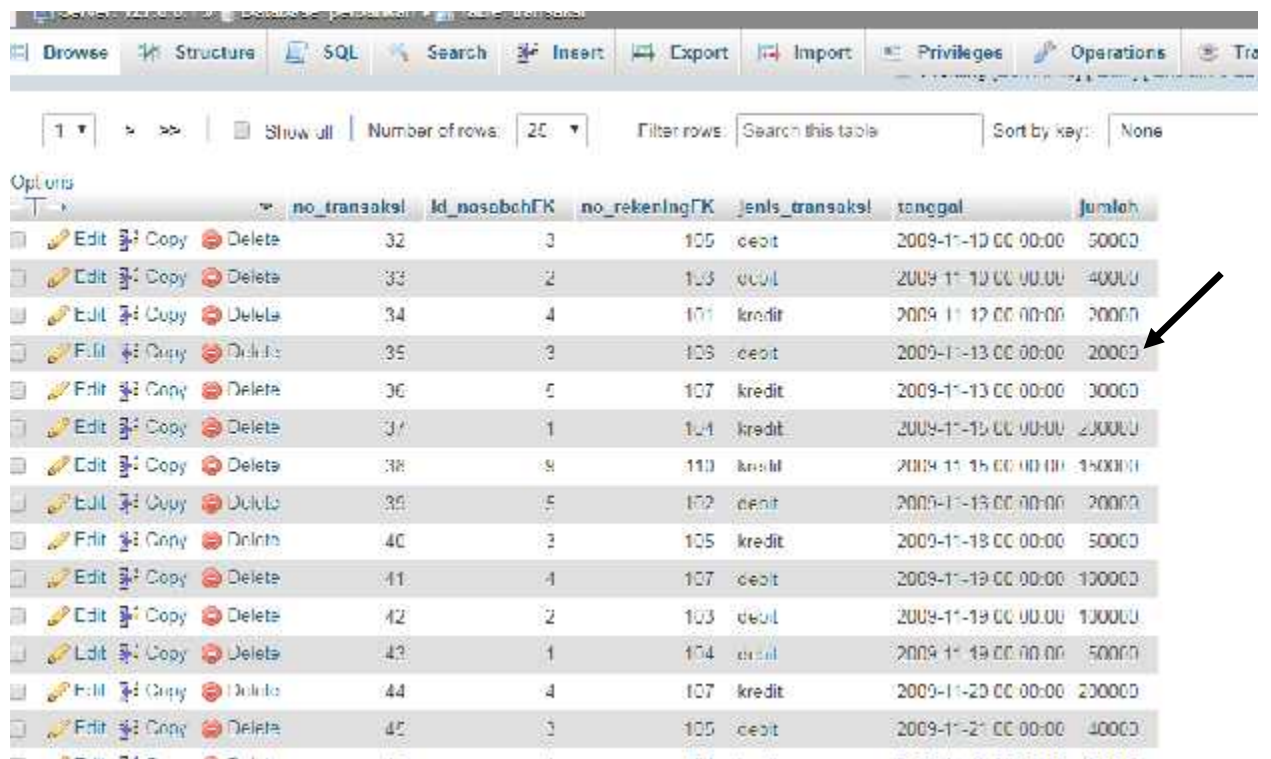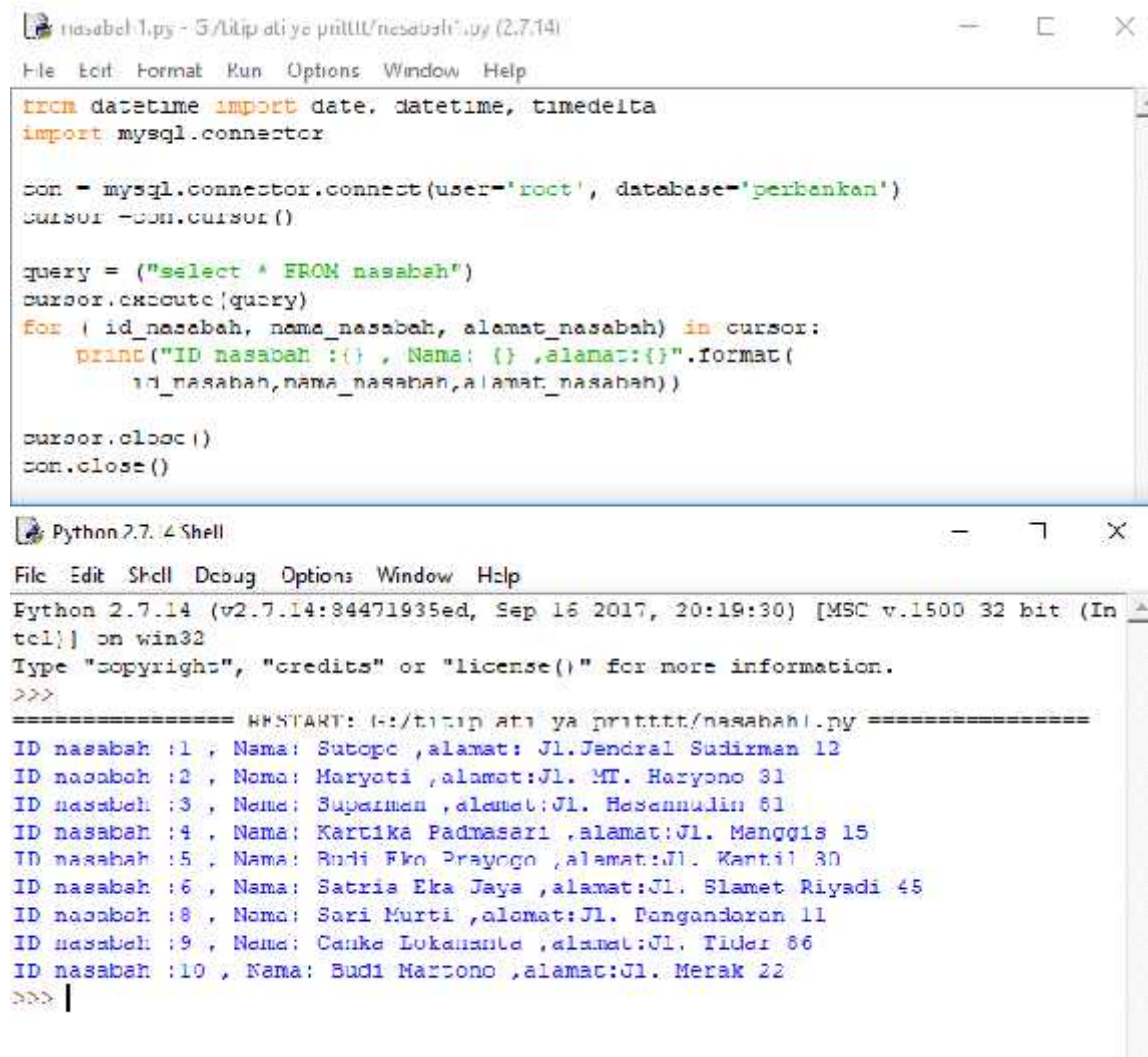
Hasil

	no_transaksi	id_nasabahFK	no_rekeningFK	jenis_transaksi	ta
Edit Copy Delete	33	2	103	debit	20
Edit Copy Delete	34	4	101	krecit	20
Edit Copy Delete	35	3	106	debit	20
Edit Copy Delete	36	5	107	krecit	20
Edit Copy Delete	37	1	104	krecit	20
Edit Copy Delete	38	9	110	krecit	20
Edit Copy Delete	39	6	102	debit	20
Edit Copy Delete	40	3	105	krecit	20
Edit Copy Delete	41	4	107	debit	20
Edit Copy Delete	42	2	103	debit	20
Edit Copy Delete	43	1	104	debit	20
Edit Copy Delete	44	4	107	krecit	20
Edit Copy Delete	45	3	105	debit	20
Edit Copy Delete	46	1	104	krecit	20
Edit Copy Delete	47	4	101	krecit	20
Console Copy Delete	48	2	103	debit	20

2. Buatlah kode program python untuk mendapat

   a. Data Nasabah

```
nasabah1.py - 5/litip ati ya pritttt/nasabah1.py (2.7.14)          —   □   ×

File  Edit  Format  Run  Options  Window  Help

from datetime import date, datetime, timedelta
import mysql.connector

con = mysql.connector.connect(user='root', database='perbankan')
cursor =con.cursor()

query = ("select * FROM nasabah")
cursor.execute(query)
for ( id_nasabah, nama_nasabah, alamat_nasabah) in cursor:
    print("ID nasabah :{} , Nama: {} ,alamat:{}".format(
        id_nasabah,nama_nasabah,alamat_nasabah))

cursor.close()
con.close()
```

```
Python 2.7.4 Shell                                          —   ⌐   ×

File  Edit  Shell  Debug  Options  Window  Help

Python 2.7.14 (v2.7.14:84471935ed, Sep 16 2017, 20:19:30) [MSC v.1500 32 bit (In
tel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
================ RESTART: (-:/titip ati ya pritttt/nasabah1.py ================
ID nasabah :1 , Nama: Sutopo ,alamat: Jl.Jendral Sudirman 12
ID nasabah :2 , Nama: Maryoti ,alamat:Jl. MT. Haryono 31
ID nasabah :3 , Nama: Suparman ,alamat:Jl. Hasannudin 61
ID nasabah :4 , Nama: Kartika Padmasari ,alamat:Jl. Manggis 15
ID nasabah :5 , Nama: Budi Eko Prayogo ,alamat:Jl. Kartil 30
ID nasabah :6 , Nama: Satria Eka Jaya ,alamat:Jl. Slamet Riyadi 45
ID nasabah :8 , Nama: Sari Murti ,alamat:Jl. Pangandaran 11
ID nasabah :9 , Nama: Canke Lokananta ,alamat:Jl. Tidar 86
ID nasabah :10 , Nama: Budi Martono ,alamat:Jl. Merak 22
>>>
```

b. Data nasabah yang melakukan transaksi antara Bulan Oktober sampai Desember

```
File  Edit  Format  Run  Options  Window  Help
from datetime import date, datetime, timedelta
import mysql.connector

cnx = mysql.connector.connect(user='root', database='perbankan')
cursor = cnx.cursor()


query = ("select nasabah.id_nasabah, nasabah.nama_nasabah, transaksi.tanggal FROM nasabah,transaksi ")
cursor.execute(query)
for( id_nasabah, nama_nasabah, tanggal) in cursor:
    print("ID nasabah:{} , nama: {}, tanggal:{}".format(
        id_nasabah, nama_nasabah, tanggal))
cursor.close()
cnx.close()
```

```
===== RESTART: D:\semester4\praktikum basis data\sbd modul11\nasabah2.py =====
ID nasabah :3 ,Nama: Suparman ,tanggal:2009-11-10 00:00:00
ID nasabah :2 ,Nama: Maryati ,tanggal:2009-11-10 00:00:00
ID nasabah :4 ,Nama: Kartika Padmasari ,tanggal:2009-11-12 00:00:00
ID nasabah :3 ,Nama: Suparman ,tanggal:2009-11-13 00:00:00
ID nasabah :5 ,Nama: Budi Eko Prayogo ,tanggal:2009-11-13 00:00:00
ID nasabah :1 ,Nama: Sutopo ,tanggal:2009-11-15 00:00:00
ID nasabah :9 ,Nama: Canka Lokananta ,tanggal:2009-11-15 00:00:00
ID nasabah :5 ,Nama: Budi Eko Prayogo ,tanggal:2009-11-16 00:00:00
ID nasabah :3 ,Nama: Suparman ,tanggal:2009-11-18 00:00:00
ID nasabah :4 ,Nama: Kartika Padmasari ,tanggal:2009-11-19 00:00:00
ID nasabah :2 ,Nama: Maryati ,tanggal:2009-11-19 00:00:00
ID nasabah :1 ,Nama: Sutopo ,tanggal:2009-11-19 00:00:00
ID nasabah :4 ,Nama: Kartika Padmasari ,tanggal:2009-11-20 00:00:00
ID nasabah :3 ,Nama: Suparman ,tanggal:2009-11-21 00:00:00
ID nasabah :1 ,Nama: Sutopo ,tanggal:2009-11-22 00:00:00
ID nasabah :4 ,Nama: Kartika Padmasari ,tanggal:2009-11-22 00:00:00
ID nasabah :2 ,Nama: Maryati ,tanggal:2009-11-22 00:00:00
ID nasabah :5 ,Nama: Budi Eko Prayogo ,tanggal:2009-11-25 00:00:00
ID nasabah :10 ,Nama: Budi Murtono ,tanggal:2009-11-26 00:00:00
ID nasabah :3 ,Nama: Suparman ,tanggal:2009-11-27 00:00:00
ID nasabah :2 ,Nama: Maryati ,tanggal:2009-11-28 00:00:00
ID nasabah :3 ,Nama: Suparman ,tanggal:2009-11-28 00:00:00
ID nasabah :5 ,Nama: Budi Eko Prayogo ,tanggal:2009-11-30 00:00:00
ID nasabah :1 ,Nama: Sutopo ,tanggal:2009-12-01 00:00:00
ID nasabah :2 ,Nama: Maryati ,tanggal:2009-12-02 00:00:00
ID nasabah :4 ,Nama: Kartika Padmasari ,tanggal:2009-12-04 00:00:00
ID nasabah :2 ,Nama: Maryati ,tanggal:2009-12-05 00:00:00
ID nasabah :5 ,Nama: Budi Eko Prayogo ,tanggal:2009-12-05 00:00:00
ID nasabah :7 ,Nama: Indri Hapsari ,tanggal:2009-12-05 00:00:00
```