### PRAKTIKUM SISTEM BASIS DATA

### MODUL 11

Nama: Dewantara Surya Jaya

NIM : L200180013

## **Insert data**

```
from datetime import date, datetime, timedelta
import mysql.connector
cnx = mysql.connector.connect(user = 'root', database = 'perbankan')
cursor = cnx.cursor()
tanggal = datetime.now().date()
tambah transaksi = "INSERT INTO transaksi(id nasabah, no rekening, jenis transaksi, tanggal, jumlah) VALUES(%s, %s, %s, %s, %s, %s) "data transaksi = ('9','110','kredit',tanggal,'50000')
cursor.execute(tambah_transaksi,data_transaksi)
cnx.commit()
cursor.close()
cnx.close()
   U g Uban 🕦 Salin 🔘 Hapus
                                               28
                                                              5 Kredit
                                                                                   2009-12-05 00:00:00 200000
                                                                                                                          102
                                                                                                                          109
    ☐ Ø Ubah ♣ê Salin 	 Hapus
                                               29
                                                             7 debit
                                                                                   2009-12-05 00:00:00 100000
   ☐ Ø Ubah ¾ Salin @ Hapus
                                               30
                                                              9 debit
                                                                                   2009-12-06 00:00:00
                                                                                                        20000
                                                                                                                          110
                                              33
    ☐ Ø Ubah 3 Salin ⊜ Hapus
                                                                                   2020-06-02 00:00:00
                                                                                                        50000
                                                                                                                          110
                                                              9 kredit
```

#### Data berhasil dimasukkan

### Select data

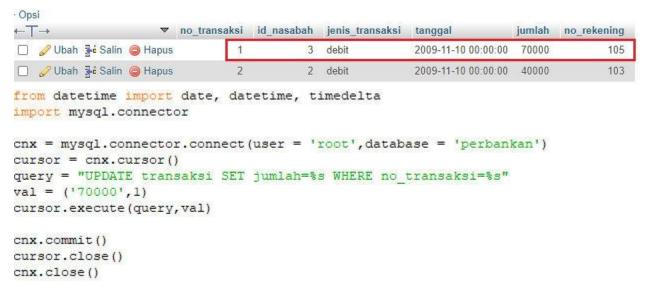
## **Update Data**

Saya ingin mengupdate pada no transaksi 1 jumlah transaksinya adalah 70000

Sebelum update:



# Sesudah update:



### Delete data

Saya ingin menghapus data dengan no transaksi 1

## Sebelum delete:



# Sesudah delete:



Tidak ada lagi kan data dengan no transaksi 1

```
from datetime import date, datetime, timedelta
import mysql.connector
cnx = mysql.connector.connect(user = 'root',database = 'perbankan')
cursor = cnx.cursor()
query = "DELETE FROM transaksi WHERE no transaksi=%s"
val = (1,)
cursor.execute (query, val)
cnx.commit()
cursor.close()
cnx.close()
      Data nasabah
      from datetime import date, datetime, timedelta
      import mysql.connector
      cnx = mysql.connector.connect(user = 'root',database = 'perbankan')
      cursor = cnx.cursor()
      query = "SELECT * FROM nasabah"
      cursor.execute (query)
      hasil = cursor.fetchall()
     for data in hasil:
          print (data)
      cursor.close()
      cnx.close()
      Output:
      (1, 'Sutopo', 'Jl. Jendral Sudirman 12')
      (2, 'Maryati', 'Jl. MT. Haryono')
      (3, 'Suparman', 'Jl. Hasanudin 81')
      (4, 'Kartika Padmasari', 'Jl. Manggis 15')
      (5, 'Budi Eko Prayogo', 'Jl. Kantil 30')
      (6, 'Satria Eka Jaya', 'Jl. Slamet Riyadi 45')
      (8, 'Sari Murti', 'Jl. Pangandaran 11')
      (9, 'Canka Lokananta', 'Jl. Tidar 86')
      (10, 'Budi Murtono', 'Jl. Merak 22')
      (20, 'Rina', 'Surakarta')
```

Data nasabah yang transaksi antara bulan Oktober - Desember

>>>

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

cnx = mysql.connector.connect(user = 'root',database = 'perbankan')
cursor = cnx.cursor()
query = "SELECT * FROM nasabah WHERE nasabah.id_nasabah IN(SELECT DISTINCT transaksi.id_nasabah from transaksi WHERE tanggal BETWEEN %s AND %s)"
val = ('2009-11-1','2009-12-1')
cursor.execute(query,val)
hasil = cursor.fetchall()

for data in hasil:
    print(data)

cursor.close()
cnx.close()
```

## Output:

```
(1, 'Sutopo', 'Jl. Jendral Sudirman 12')
(2, 'Maryati', 'Jl. MT. Haryono')
(3, 'Suparman', 'Jl. Hasanudin 81')
(4, 'Kartika Padmasari', 'Jl. Manggis 15')
(5, 'Budi Eko Prayogo', 'Jl. Kantil 30')
(9, 'Canka Lokananta', 'Jl. Tidar 86')
(10, 'Budi Murtono', 'Jl. Merak 22')
>>>
```