

NAMA : DHIYA ULHAQ A

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KELAS: A

## TUGAS MODUL 11

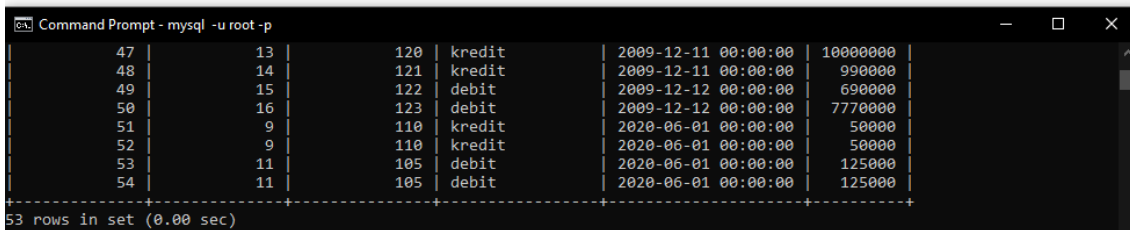
### 1. Melakukan perintah INSERT, UPDATE, dan DELETE pada data transaksi

#### a. INSERT

```
##NO 1a
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_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) VALUES(%s,%s,%s,%s,%s)")
data_transaksi = ('11','105','debit',tanggal,'125000')
cursor.execute(tambah_transaksi,data_transaksi)

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



47	13	120	kredit	2009-12-11 00:00:00	1000000
48	14	121	kredit	2009-12-11 00:00:00	990000
49	15	122	debit	2009-12-12 00:00:00	690000
50	16	123	debit	2009-12-12 00:00:00	777000
51	9	110	kredit	2020-06-01 00:00:00	50000
52	9	110	kredit	2020-06-01 00:00:00	50000
53	11	105	debit	2020-06-01 00:00:00	125000
54	11	105	debit	2020-06-01 00:00:00	125000

53 rows in set (0.00 sec)

#### b. UPDATE

```
##NO 1b
import mysql.connector

cnx = mysql.connector.connect(user='root', database='perbankan')
cursor = cnx.cursor()
update_transaksi=("UPDATE transaksi SET jumlah=147000 WHERE no_transaksi=44")
cursor.execute(update_transaksi)

cnx.commit()
print(cursor.rowcount,'record(s) affected')
cursor.close()
cnx.close()
```

0 record(s) affected



44	12	117	debit	2009-12-10 00:00:00	147000
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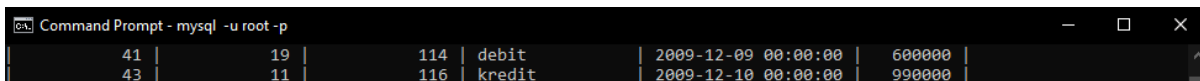
#### c. DELETE

```
##NO 1c
import mysql.connector

cnx = mysql.connector.connect(user='root', database='perbankan')
cursor = cnx.cursor()
delete_transaksi=("DELETE FROM transaksi WHERE no_transaksi=42")
cursor.execute(delete_transaksi)

cnx.commit()
print(cursor.rowcount, "record(s) deleted")
cursor.close()
cnx.close()
```

1 record(s) deleted



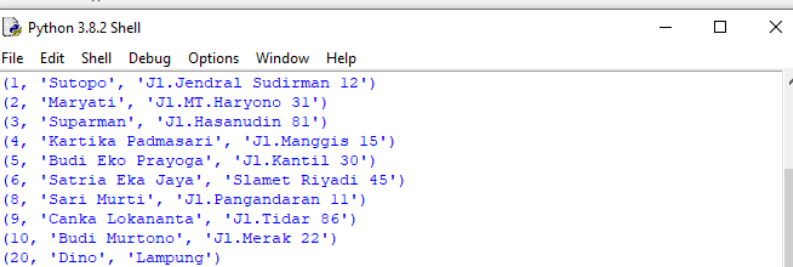
41	19	114	debit	2009-12-09 00:00:00	600000
43	11	116	kredit	2009-12-10 00:00:00	990000

2. Membuat kode python untuk mendapatkan :
  - a. Data nasabah

```
##NO2a
import mysql.connector

cnx = mysql.connector.connect(user='root', database='perbankan')
cursor = cnx.cursor()
cursor.execute("SELECT * FROM nasabah")

myresult = cursor.fetchall()
for x in myresult:
    print(x)
cursor.close()
cnx.close()
```



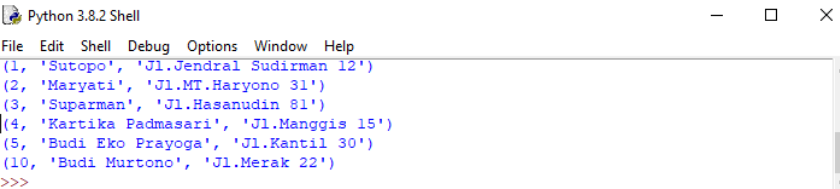
```
(1, 'Sutopo', 'Jl.Jendral Sudirman 12')
(2, 'Maryati', 'Jl.MT.Haryono 31')
(3, 'Superman', 'Jl.Hasanudin 81')
(4, 'Kartika Padmasari', 'Jl.Manggis 15')
(5, 'Budi Eko Prayoga', 'Jl.Kantil 30')
(6, 'Satria Eka Jaya', 'Slamet Riyadi 45')
(8, 'Sari Murti', 'Jl.Pangandaran 11')
(9, 'Canka Lokananta', 'Jl.Tidar 86')
(10, 'Budi Murtono', 'Jl.Merak 22')
(20, 'Dino', 'Lampung')
```

- b. Data nasabah yang melakukan transaksi antara bulan oktober sampai desember

```
##NO2b
import mysql.connector

cnx = mysql.connector.connect(user='root', database='perbankan')
cursor = cnx.cursor()
cursor.execute("""SELECT * FROM nasabah
                WHERE nasabah.id_nasabah IN (SELECT transaksi.id_nasabahFK
                FROM transaksi WHERE tanggal BETWEEN '2009-11-10' AND '2009-12-6')""")

myresult = cursor.fetchall()
for x in myresult:
    print(x)
cursor.close()
cnx.close()
```



```
(1, 'Sutopo', 'Jl.Jendral Sudirman 12')
(2, 'Maryati', 'Jl.MT.Haryono 31')
(3, 'Superman', 'Jl.Hasanudin 81')
(4, 'Kartika Padmasari', 'Jl.Manggis 15')
(5, 'Budi Eko Prayoga', 'Jl.Kantil 30')
(10, 'Budi Murtono', 'Jl.Merak 22')
>>>
```

Catatan: Pada bulan oktober tidak melakukan transaksi sehingga mulai dari bulan November.