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Kelas : A

## MODUL 11

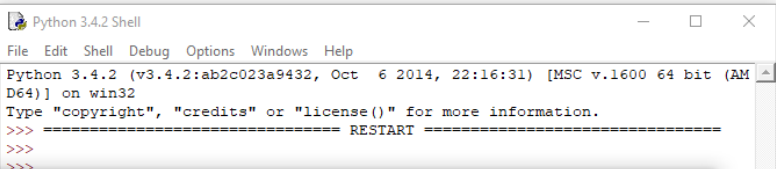
### Prak Sistem Basis Data

4.

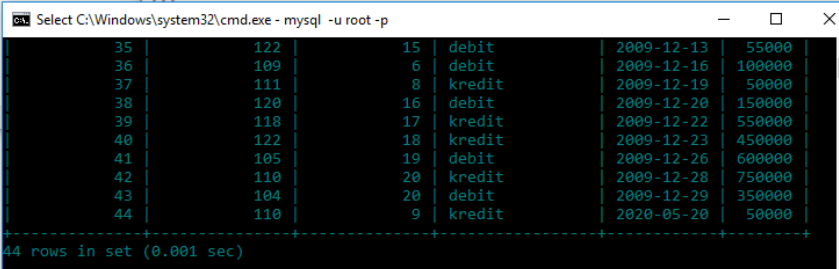
```
from datetime import date, datetime, timedelta
import mysql.connector

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 = ('9','110','kredit',tanggal,'50000')
cursor.execute(tambah_transaksi,data_transaksi)

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



```
Python 3.4.2 Shell
File Edit Shell Debug Options Windows Help
Python 3.4.2 (v3.4.2:ab2c023a9432, Oct 6 2014, 22:16:31) [MSC v.1600 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> ===== RESTART =====
>>>
```



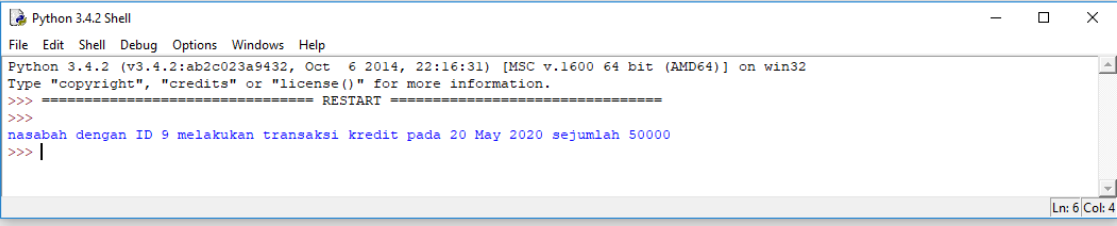
| id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal | jumlah     |        |
|--------------|---------------|-----------------|---------|------------|--------|
| 35           | 122           | 15              | debit   | 2009-12-13 | 55000  |
| 36           | 109           | 6               | debit   | 2009-12-16 | 100000 |
| 37           | 111           | 8               | kredit  | 2009-12-19 | 50000  |
| 38           | 120           | 16              | debit   | 2009-12-20 | 150000 |
| 39           | 118           | 17              | kredit  | 2009-12-22 | 550000 |
| 40           | 122           | 18              | kredit  | 2009-12-23 | 450000 |
| 41           | 105           | 19              | debit   | 2009-12-26 | 600000 |
| 42           | 110           | 20              | kredit  | 2009-12-28 | 750000 |
| 43           | 104           | 20              | debit   | 2009-12-29 | 350000 |
| 44           | 110           | 9               | kredit  | 2020-05-20 | 50000  |

44 rows in set (0.001 sec)

5.

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

cnx = mysql.connector.connect(user='root', database='perbankan')
cursor = cnx.cursor()
query = ("SELECT id_nasabahFK,jenis_transaksi,tanggal,jumlah FROM transaksi WHERE YEAR(tanggal)=2020")
cursor.execute(query)
for (id_nasabahFK,jenis_transaksi,tanggal,jumlah) in cursor:
    print("nasabah dengan ID {} melakukan transaksi {} pada {:d %b %Y} sejumlah {}".format(id_nasabahFK,jenis_transaksi,tanggal,jumlah))
cursor.close()
cnx.close()
```



```
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Type "copyright", "credits" or "license()" for more information.
>>> ===== RESTART =====
>>>
nasabah dengan ID 9 melakukan transaksi kredit pada 20 May 2020 sejumlah 50000
>>>
```