

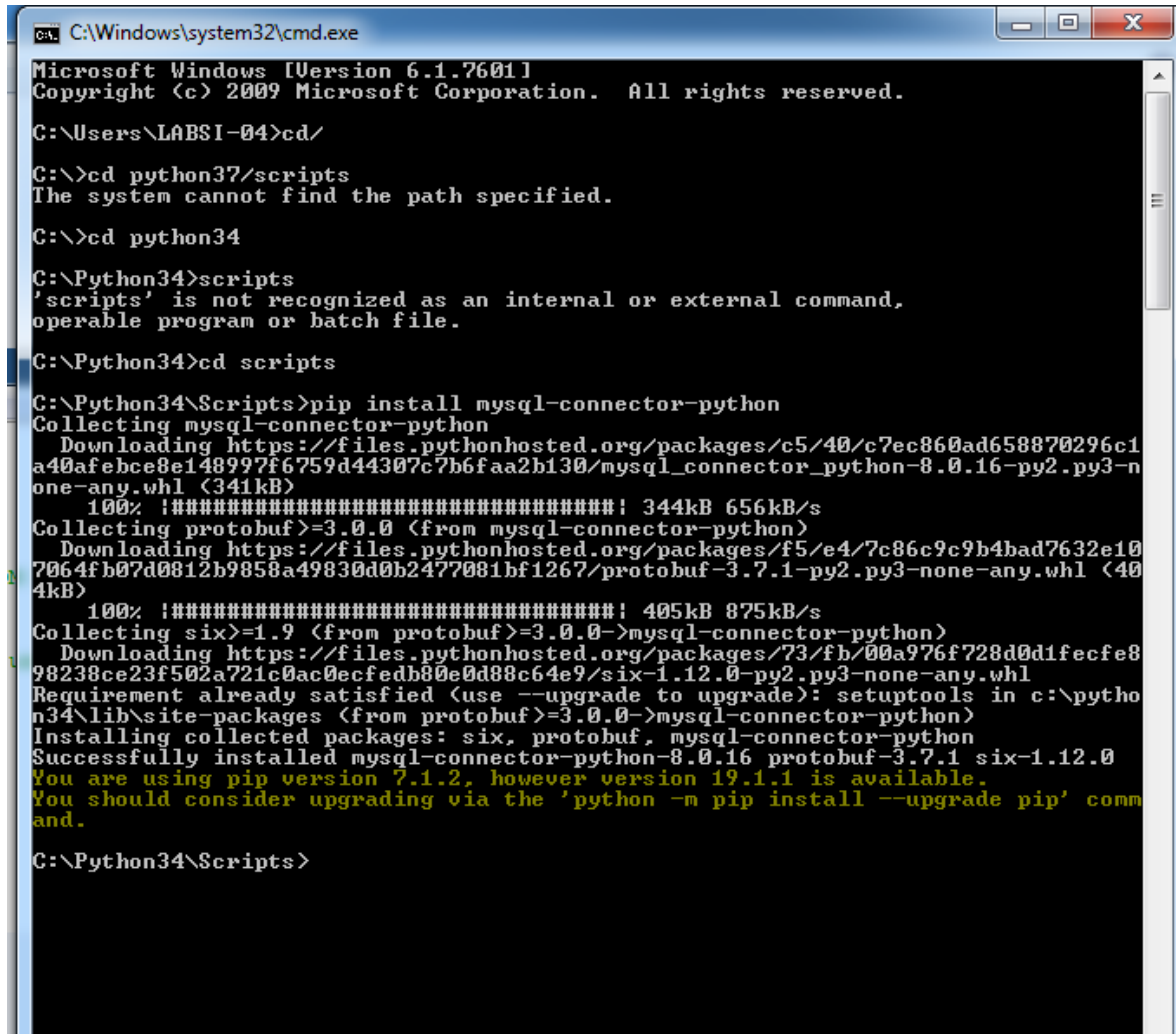
Modul 11

Nama : Adnan Shafry Ari Purnama Aji

NIM : L200170021

Kelas : A

LAPORAN PRAKTIKUM SISTEM BASIS DATA



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\LABSI-04>cd/

C:\>cd python37/scripts
The system cannot find the path specified.

C:\>cd python34

C:\Python34>scripts
'scripts' is not recognized as an internal or external command,
operable program or batch file.

C:\Python34>cd scripts

C:\Python34\Scripts>pip install mysql-connector-python
Collecting mysql-connector-python
  Downloading https://files.pythonhosted.org/packages/c5/40/c7ec860ad658870296c1
a40afebce8e148997f6759d44307c7b6faa2b130/mysql_connector_python-8.0.16-py2-n
one-any.whl (341kB)
    100% |#####| 344kB 656kB/s
Collecting protobuf>=3.0.0 (from mysql-connector-python)
  Downloading https://files.pythonhosted.org/packages/f5/e4/7c86c9c9b4bad7632e10
7064fb07d0812b9858a49830db2477081bf1267/protobuf-3.7.1-py2.py3-none-any.whl (40
4kB)
    100% |#####| 405kB 875kB/s
Collecting six>=1.9 (from protobuf>=3.0.0->mysql-connector-python)
  Downloading https://files.pythonhosted.org/packages/73/fb/00a976f728d0d1fecfe8
98238ce23f502a721c0ac0ecfedb80e0d88c64e9/six-1.12.0-py2.py3-none-any.whl
Requirement already satisfied (use --upgrade to upgrade): setuptools in c:\pytho
n34\lib\site-packages (from protobuf>=3.0.0->mysql-connector-python)
Installing collected packages: six, protobuf, mysql-connector-python
Successfully installed mysql-connector-python-8.0.16 protobuf-3.7.1 six-1.12.0
You are using pip version 7.1.2, however version 19.1.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' comm
and.

C:\Python34\Scripts>
```

```
alfian.py - J:/alfian.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()
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 3.4.4 Shell
File Edit Shell Debug Options Window Help
Python 3.4.4 (v3.4.4:737efcadf5a6, Dec 20 2015, 20:20:57) [MSC v.1600 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: J:/alfian.py =====
>>> |
```

localhost / 127.0.0.1 / perbankan x

localhost/phpmyadmin/sql.php?server=1&db=perbankan&table=transaksi&pos=0

phpMyAdmin

Recent Favorites

- New
- information_schema
- mysql
- perbankan
 - New
 - cabang_bank
 - nasabah
 - nasabah_has_rekening
 - rekening
 - transaksi
- performance_schema
- perkulahan
- phpmyadmin
- test

Server: 127.0.0.1 » Database: perbankan » Table: transaksi

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 50 - 50 (51 total. Query took 0.0020 seconds.)

SELECT * FROM `transaksi`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

<< < 3 | Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	no_transaksi	id_nasabahFK	no_rekeningFK	jenis_transaksi	tanggal	jumlah
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	56	9	110	kredit	2019-05-23 00:00:00	50000

↑ ☐ Check all With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

<< < 3 | Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: ☐ Let every user access this bookmark

Console

Press Ctrl+Enter to execute query

```
> SELECT * FROM `transaksi`
>
```

```
alfianno5.py - J:\MODUL 11\alfianno5.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()
query = ("SELECT `id_nasabahFK`,`jenis_transaksi`,`tanggal`,`jumlah` FROM transaksi WHERE YEAR(tanggal)='2009'")
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()
Ln: 8 Col: 54

Python 3.4.4 Shell
File Edit Shell Debug Options Window Help
Python 3.4.4 (v3.4.4:737efcadf5a6, Dec 20 2015, 20:20:57) [MSC v.1600 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: J:\MODUL 11\alfianno5.py =====
nasabah dengan ID 3 melakukan transaksi debit pada 10Nov2009 sejumlah50000
nasabah dengan ID 2 melakukan transaksi debit pada 10Nov2009 sejumlah40000
nasabah dengan ID 4 melakukan transaksi kredit pada 12Nov2009 sejumlah20000
nasabah dengan ID 3 melakukan transaksi debit pada 13Nov2009 sejumlah50000
nasabah dengan ID 5 melakukan transaksi kredit pada 13Nov2009 sejumlah30000
nasabah dengan ID 1 melakukan transaksi kredit pada 15Nov2009 sejumlah200000
nasabah dengan ID 9 melakukan transaksi kredit pada 15Nov2009 sejumlah150000
nasabah dengan ID 5 melakukan transaksi debit pada 16Nov2009 sejumlah20000
nasabah dengan ID 3 melakukan transaksi kredit pada 18Nov2009 sejumlah50000
nasabah dengan ID 4 melakukan transaksi debit pada 19Nov2009 sejumlah100000
nasabah dengan ID 2 melakukan transaksi debit pada 19Nov2009 sejumlah100000
nasabah dengan ID 1 melakukan transaksi debit pada 19Nov2009 sejumlah50000
Ln: 55 Col: 4
```

TUGAS

1.

```
Tugas no1(INSERT).py - F:\L200170038_MODUL11SBD\Tugas no1(INSERT).py (3.7.2)
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()
tambah_transaksi=('insert into transaksi'(`id_nasabahFK`, `no_rekeningFK`, `jen
                        'values(%s, %s, %s, %s, %s)')
data_transaksi=('5','102','debit', tanggal, '20000')
cursor.execute(tambah_transaksi, data_transaksi)

cnx.commit()

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

```
Tugas no1(UPDATE).py - F:\L200170038_MODUL11SBD\Tugas no1(UPDATE).py (3.7.2)
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=%s where no_rekeningFK=%s')
data_update=('70000', '110')
cursor.execute(update_transaksi, data_update)

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

```
Tugas no1(DELETE).py - F:\L200170038_MODUL11SBD\Tugas no1(DELETE).py (3.7.2)
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()
delete_transaksi=('delete from transaksi where id_nasabahFK=5')
cursor.execute(delete_transaksi)

cnx.commit()

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

2.

```
Tugas no2(A).py - F:\L200170038_MODUL11SBD\Tugas no2(A).py (3.7.2)
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 id_nasabah, nama_nasabah, alamat_nasabah from nasabah')

cursor.execute(query)
for(id_nasabah, nama_nasabah, alamat_nasabah)in cursor:
    print('Berikut ini data-data nasabah dengan ID {} atas nama {} yang beral
cursor.close()
cnx.close()
```

```
Tugas no2(B).py - F:\L200170038_MODUL11SBD\Tugas no2(B).py (3.7.2)
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 'id_nasabahFK', 'jenis_transaksi', 'tanggal', 'jumlah' from transaksi where month(tanggal)between 10 and 12')

cursor.execute(query)
for(id_nasabahFK, jenis_transaksi, tanggal, jumlah)in cursor:
    print('Berikut data nasabah dengan ID {} melakukan transaksi {} pada {:d %b %Y} sejumlah {}'.format(id_nasabahFK, jenis_transaksi, tanggal, jumlah))
cursor.close()
cnx.close()
```