# DATABASE SYSTEM PRACTICUM REPORT

# MODULE 11

**MY SQL and PYTHON**



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# INFORMATICS STUDY

# PROGRAM

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TASK

1. Create Code Insert, Update and Delete

Code Insert :

import mysql.connector

from datetime import date, datetime, timedelta

tanggal = datetime.now().date()

cnx = mysql.connector.connect(*user*='root',

*database*='perbankan')

cursor = cnx.cursor()

insert\_transaksi = ("INSERT INTO transaksi (id\_nasabahFK,

no\_rekeningFK, jenis\_transaksi, tanggal, jumlah) "

"VALUES (%s, %s, %s, %s, %s)")

data\_transaksi = ('10', '100', 'kredit',

tanggal.strftime('%Y-%m-%d'), '100000')

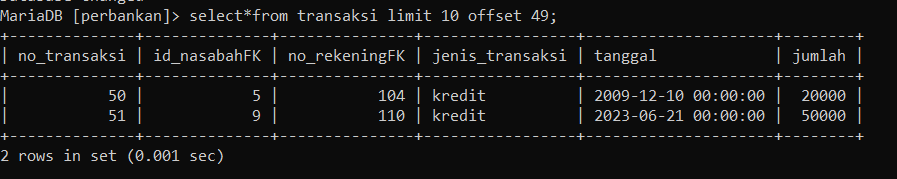
cursor.execute(insert\_transaksi, data\_transaksi)

cnx.commit()

cursor.close()

cnx.close()

Output :



Code Update :

import mysql.connector

cnx = mysql.connector.connect(*user*='root',

*database*='perbankan')

cursor = cnx.cursor()

delete\_transaksi = ("DELETE FROM transaksi "

                    "WHERE no\_transaksi=%s")

data\_transaksi = ('51',)

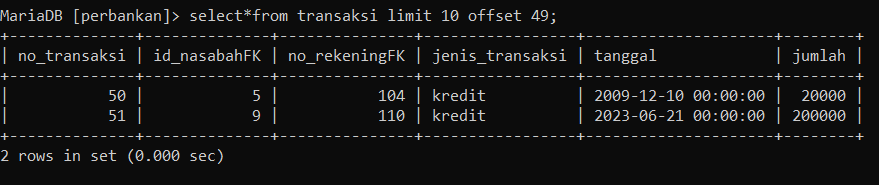
cursor.execute(delete\_transaksi, data\_transaksi)

cnx.commit()

cursor.close()

cnx.close()

Output :



Code Delete :

import mysql.connector

cnx = mysql.connector.connect(*user*='root',

*database*='perbankan')

cursor = cnx.cursor()

update\_transaksi = ("UPDATE transaksi SET jumlah=%s "

                    "WHERE no\_transaksi=%s")

data\_transaksi = ('200000', '51')

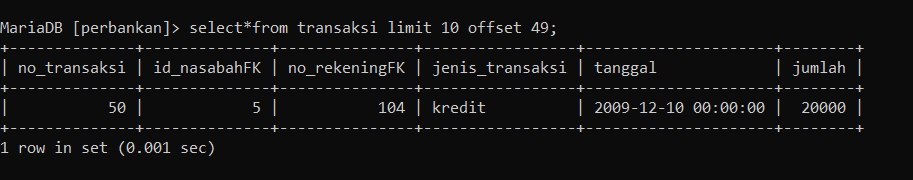
cursor.execute(update\_transaksi, data\_transaksi)

cnx.commit()

cursor.close()

cnx.close()

Output :



Create Code Python

Data Nasabah :

import mysql.connector

cnx = mysql.connector.connect(*user*='root',

*database*='perbankan')

cursor = cnx.cursor()

query = ("SELECT \* FROM nasabah")

cursor.execute(query)

for (id\_nasabah, nama\_nasabah, alamat\_nasabah) in cursor:

   print("Nasabah dengan Id {} bernama {} alamat {} " .format (

        id\_nasabah, nama\_nasabah, alamat\_nasabah

 ))

cursor.close()

cnx.close()

Output :



Data nasabah yang melakukan transaksi antara bulan oktober sampai desember:

import mysql.connector

cnx = mysql.connector.connect(*user*='root',

*database*='perbankan')

cursor = cnx.cursor()

query = ("SELECT DISTINCT nasabah.nama\_nasabah",

DATE\_FORMAT (transaksi.tanggal, '&M') AS nama\_bulan "

        "FROM transaksi"

        "LEFT JOIN nasabah ON nasabah.id\_nasabah = transaks.id\_nasabahFK"

        "WHERE MONTH (transaksi.tanggal) BETWEEN 10 AND 12"

cursor.execute(query)

print("Nasabah yang melakukan transaksi pada bulan

Oktober sampai Desember:")

for (nama\_nasabah, nama\_bulan) in cursor:

    print("{} melakukan transaksi pada bulan {}".format(

        nama\_nasabah, nama\_bulan

 ))

cursor.close()

cnx.close()

Output:

