PRAKTIK PEMROGRAMAN PYTHON

MEMBUAT DAN MENGINPUTKAN DATA KE DATABASE

Nama:

CaturYudhaPrasetya V3922011

Dosen :

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PS D-III TEKNIK INFORMATIKA

SEKOLAH VOKASI

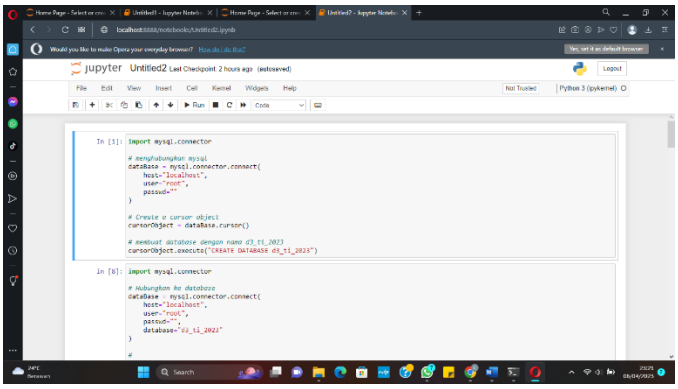
UNIVERSITAS SEBELAS MARET

2023

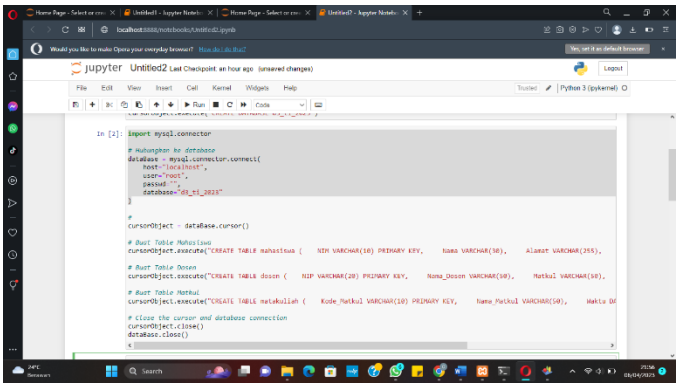
BAB I

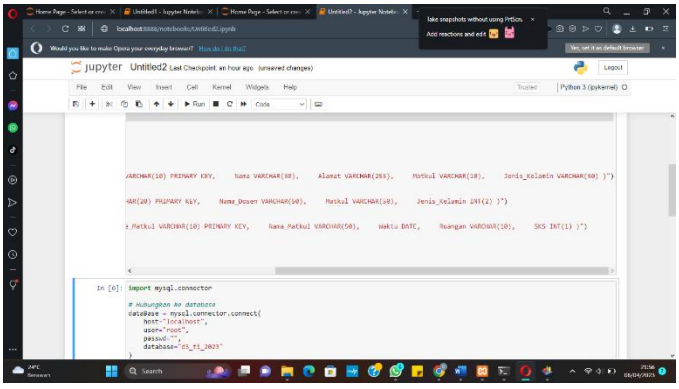
HASIL DAN PEMBAHASAN

1. Membuat Database

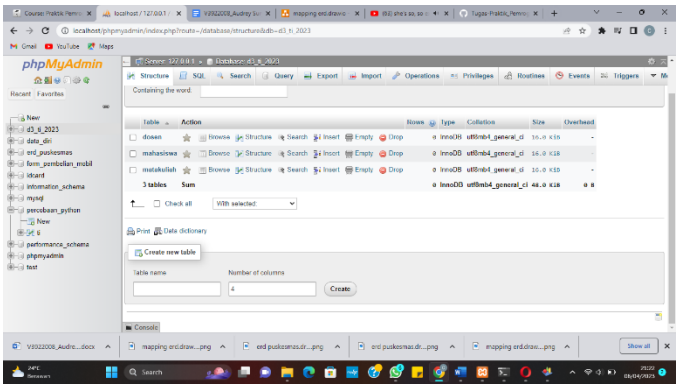


2. Mengkoneksikan ke database dan membuat tabel

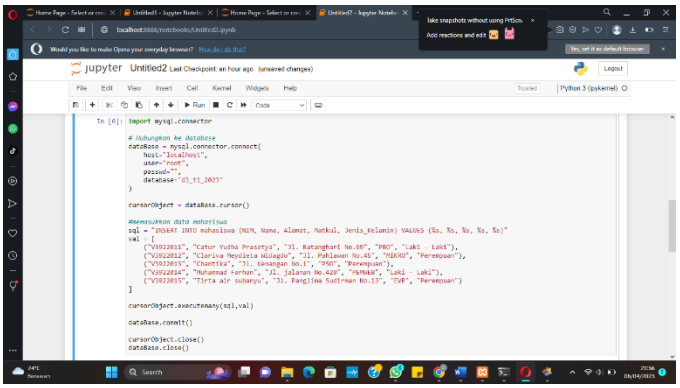




Hasil

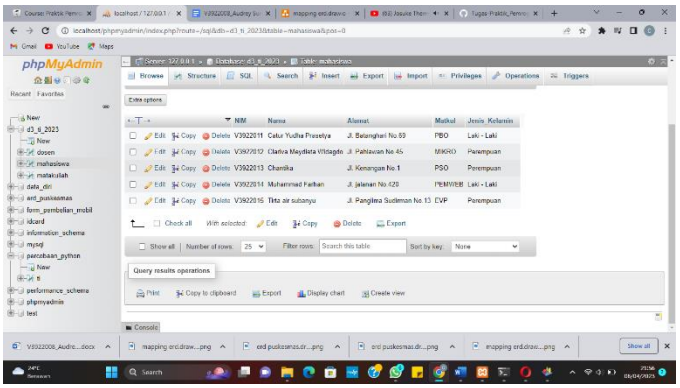


3. Menginputkan 5 data mahasiswa

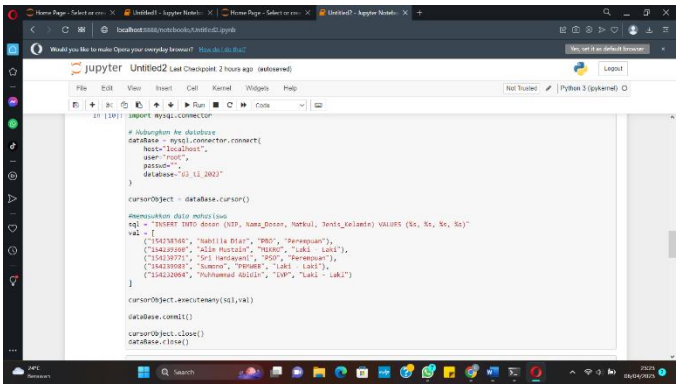


```
In [6]: import mysql.connector

        # Hubungkan ke database
        dataBase = mysql.connector.connect(
            host="localhost",
            user="root",
            passwd="",
            database="d3_ti_2023"
        )

        cursorObject = dataBase.cursor()

        #memasukkan data mahasiswa
        sql = "INSERT INTO mahasiswa (NIM, Nama, Alamat, Matkul, Jenis_Kelamin) VALUES (%s, %s, %s, %s, %s)"
        val = [
            ("V3922011", "Catur Yudha Prasetya", "Jl. Batanghari No.69", "PBO", "Laki - Laki"),
            ("V3922012", "Clarisa Meydiata Viltagde", "Jl. Pahlawan No.45", "MKKO", "Perempuan"),
            ("V3922013", "Chantika", "Jl. Kenangan No.1", "PSO", "Perempuan"),
            ("V3922014", "Muhammad Farhan", "Jl. jalanan No.420", "PEMWEB", "Laki - Laki"),
            ("V3922015", "Tirta air subanyu", "Jl. Panglima Sudirman No.13", "EVP", "Perempuan")
        ]

        cursorObject.executemany(sql,val)

        dataBase.commit()

        cursorObject.close()
        dataBase.close()
```

Hasil

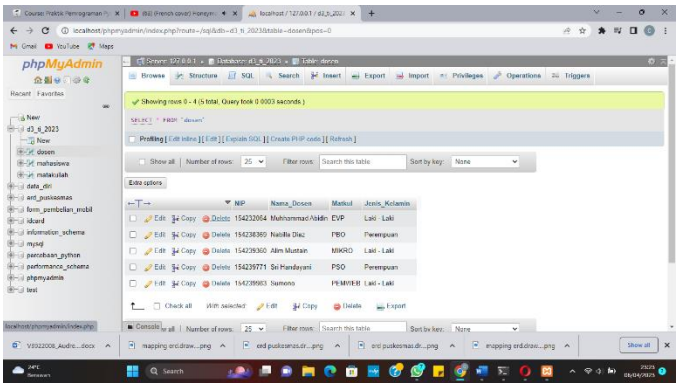


4. Menginputkan 5 data Dosen

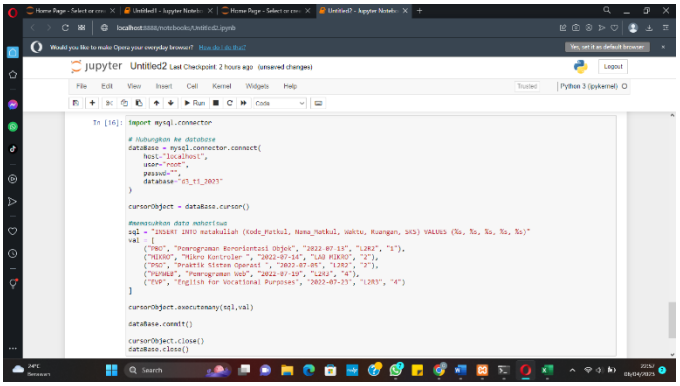


```
import mysql.connector

# Mubungkan Ke database
dataBase = mysql.connector.connect(
    host="localhost",
    user="root",
    passwd="",
    database="d3_ti_2022"
)

cursorObject = dataBase.cursor()

#memasukkan data mahasiswa
sql = "INSERT INTO dosen (NIP, Nama_Dosen, Matkul, Jenis_Kelamin) VALUES (%s, %s, %s, %s)"
val = [
  ("154238368", "Nabilla Diaz", "PBO", "Perempuan"),
  ("154239360", "Alim Mustain", "MIKRO", "Laki - Laki"),
  ("154239771", "Sri Handayani", "PSO", "Perempuan"),
  ("154239983", "Sumono", "PEMWEB", "Laki - Laki"),
  ("154232064", "Muhammad Abidin", "EVP", "Laki - Laki")
]

cursorObject.executemany(sql,val)

dataBase.commit()

cursorObject.close()
dataBase.close()
```

Hasil

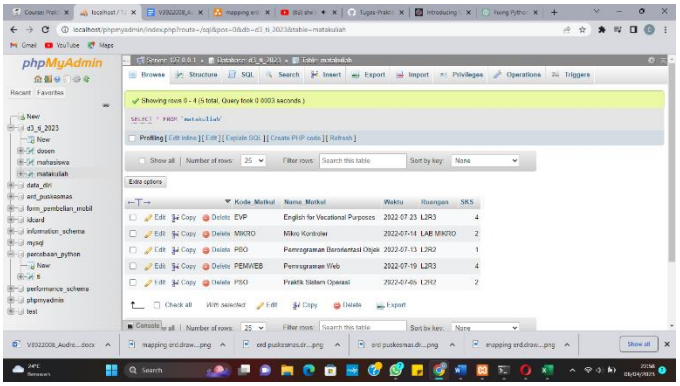


5. Menginputkan 5 data Mata Kuliah

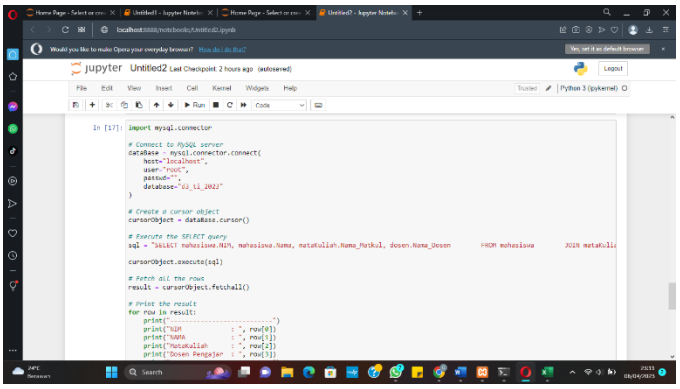


```
import mysql.connector

# Mubungkan Ke database
dataBase = mysql.connector.connect(
    host="localhost",
    user="root",
    passwd="",
    database="d3_ti_2021"
)

cursorObject = dataBase.cursor()

#memasukkan data mahasiswa
sql = "INSERT INTO matakuliah (Kode_Matkul, Nama_Matkul, Waktu, Ruangan, SKS) VALUES (%s, %s, %s, %s, %s)"
val = [
  ("PBO", "Pemrograman Berorientasi Objek", "2022-07-13", "L202", "3"),
  ("MIKRO", "Mikro Kontroler ", "2022-07-14", "LAB MIKRO", "2"),
  ("PSO", "Praktik Sistem Operasi ", "2022-07-05", "L202", "2"),
  ("PEMWEB", "Pemrograman Web", "2022-07-12", "L203", "4"),
  ("EVP", "English for Vocational Purposes", "2022-07-25", "L203", "4")
]

cursorObject.executemany(sql,val)

dataBase.commit()

cursorObject.close()
dataBase.close()
```

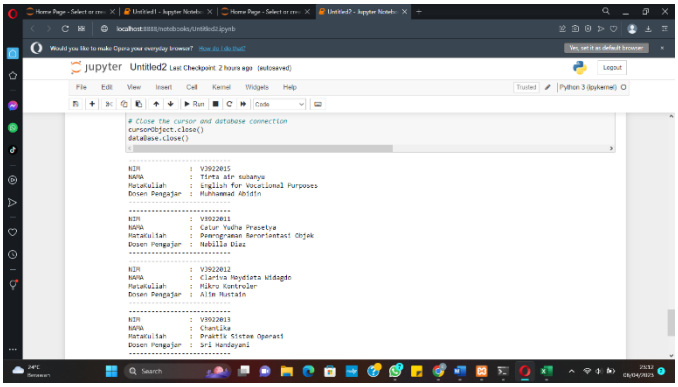
Hasil

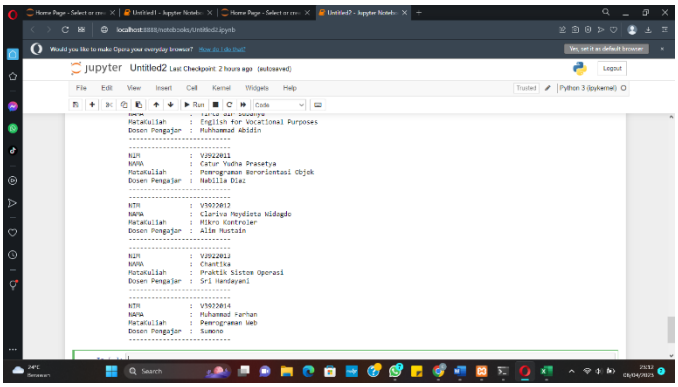


6. Tampilkan data Select



Hasil




jupyter Untitled2 Last Checkpoint: 2 hours ago (autosaved)
File Edit View Insert Cell Kernel Widgets Help
Logout
Python 3 (ipykernel)
MataKuliah : English for Vocational Purposes
Dosen Pengajar : Muhammad Abidin
NIM : V2922011
NAMA : Catur Yudha Praketya
MataKuliah : Pemrograman Berorientasi Objek
Dosen Pengajar : Nabilla Diaz
NIM : V2922012
NAMA : Clarisa Heydista Nidsgdo
MataKuliah : Mikro Kontroler
Dosen Pengajar : Alim Mustain
NIM : V2922012
NAMA : Chantika
MataKuliah : Praktik Sistem Operasi
Dosen Pengajar : Sri Handayani
NIM : V2922014
NAMA : Muhammad Farhan
MataKuliah : Pemrograman Web
Dosen Pengajar : Sumono