# LAPORAN PRAKTIKUM PEMROGRAMAN PYTHON

## PRAKTIKUM PYTHON DATABASE



### Disusun oleh:

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#### **Dosen**

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## PS D-III TEKNIK INFORMATIKA SEKOLAH VOKASI UNIVERSITAS SEBELAS MARET 2024

#### **Membuat Database**

```
import mysql.connector

dataBase = mysql.connector.connect(
    host = "localhost",
    user = "root",
    passwd = "",

cursorObject = dataBase.cursor()

cursorObject.execute("CREATE DATABASE D3_TI_2023")

cursorObject.execute("CREATE DATABASE D3_TI_2023")
```

#### **Membuat Tabel**

Memasukkan Data Pada Tabel

Menampilkan Data pada Tabel Dosen

```
dataBase = mysql.connector

dataBase = mysql.connector.connect(
    host = "localhost",
    user = "root",
    passwd = "",
    database = "D3_TI_2023"

cursorObject = dataBase.cursor()

showDosen = "SELECT * FROM DOSEN"

cursorObject.execute(showDosen)

hasil = cursorObject.fetchall()

print("==> Data Tabel Dosen")

for x in hasil:
    print(x)

dataBase.close()

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS D:\VsCode Project\Database Python> python - u "d:\VsCode Project\Database Python\ShowDataDosen.py"
==> Data Tabel Dosen
('123456781', 'Yusuf Fadilla Rachman', 'MK001')
('123456783', 'Nur Azizul Haqimi', 'MK005')
('123456783', 'Darmawan Lahru Riatma', 'MK002')
('123456783', 'Masbahah', 'MK004')
PS D:\VsCode Project\Database Python>
```

Menampilkan Data pada Tabel Mata Kuliah

```
import mysql.connector

dataBase = mysql.connect(
    host = "localhost",
    user = "root",
    passwd = "",
    database = "D3_II_2023"

by

cursorObject = dataBase.cursor()

cursorObject.execute(showMataKuLiaH)

cursorObject.execute(showMataKuLiaH)

print("=> Data Tabel Mata KuLiaH")

print("Sabase.close()

print("Sabase.close()

print("Sabase.close()

print("Sabase.close()

print("Noon", "Praktik Pemrograman Python', datetime.date(2024, 3, 11), "L2R2")

("MK003", "Pemrograman Berorientasi Objek', datetime.date(2024, 3, 12), "L2R2")

("MK004", "Praktik Basis Data', datetime.date(2024, 3, 13), "L2R2")

print("Noon", "Praktik Basis Data', datetime.
```

Menampilkan Data pada Tabel Mahasiswa

```
import mysql.connector
dataBase = mysql.connector.connect(
    host = "localhost",
    user = "root",
    passwd = "",
    dataBase = "03_TI_2023"
    )

cursorObject = dataBase.cursor()

showMahasiswa = "SELECT * FROM MAHASISWA"

cursorObject.execute(showMahasiswa)

to hasil = cursorObject.fetchall()

print("==> Data Tabel Mahasiswa")

for x in hasil:
    print(x)

dataBase.close()

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS D:\VsCode Project\Database Python> python -u "d:\VsCode Project\Database Python\ShowDataMahasiswa.py"

=> Data Tabel Mahasiswa
('V1234561', 'Dimas', 'Madiun', 'MK001')
('V1234563', 'Anto', 'Surakarta', 'MK004')
('V1234563', 'Anto', 'Surakarta', 'MK004')
('V1234563', 'Anto', 'Surakarta', 'MK003')
('V1234564', 'Aldo', 'Jakarta', 'MK003')
('V1234565', 'Soni', 'Yogyakarta', 'MK002')
PS D:\VsCode Project\Database Python>
```

Menampilkan Data Mata Kuliah, Nama Mahasiswa, dan Dosen

```
import mysql.connector
      database = mysql.connector.connect(
         host="localhost",
          user="root",
         passwd="",
database="D3_TI_2023"
     cursorObject = database.cursor()
      query = """
          SELECT MATA_KULIAH.NAMA_MATA_KULIAH, MAHASISWA.NAMA_MAHASISWA, DOSEN.NAMA_DOSEN
          FROM MAHASISWA
          JOIN MATA_KULIAH ON MAHASISWA.MATA_KULIAH_DIIKUTI = MATA_KULIAH.KODE_MATA_KULIAH
          JOIN DOSEN ON DOSEN.MATA_KULIAH_AJAR = MATA_KULIAH.KODE_MATA_KULIAH
      cursorObject.execute(query)
      hasil = cursorObject.fetchall()
      for row in hasil:
          print("Mata Kuliah:", row[0])
print("Mahasiswa:", row[1])
print("Dosen:", row[2])
          print()
      database.close()
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS D:\VsCode Project\Database Python> python -u "d:\VsCode Project\Database Python\ShowGabung.py"
Mata Kuliah: Praktik Pemrograman Python
Mahasiswa: Dimas
Dosen: Yusuf Fadilla Rachman
Mata Kuliah: Praktik Sistem Operasi
Mahasiswa: Yudi
Dosen: Nur Azizul Haqimi
Mata Kuliah: Pemrograman Berorientasi Objek
Mahasiswa: Aldo
Dosen: Darmawan Lahru Riatma
Mata Kuliah: Statistika dan Probabilitas
Mahasiswa: Soni
Dosen: Trisna Ari Roshinta
Mata Kuliah: Praktik Basis Data
Mahasiswa: Anto
Dosen: Masbahah
```