

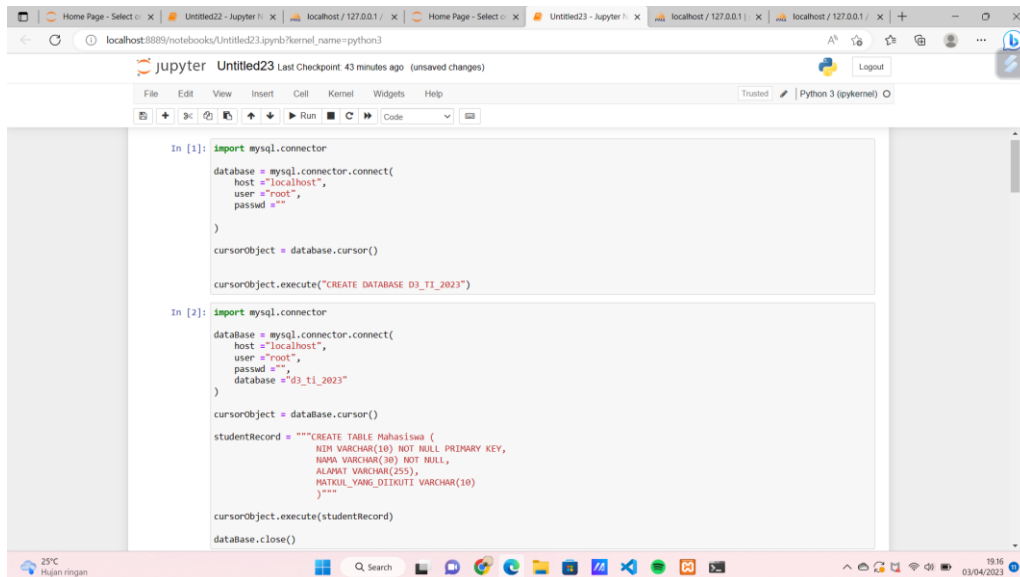
NAMA : RENASYA NANDA FAFIRLY

NIM : V3922039

KELAS : TI E

TUGAS : MEMBUAT DATABASE D3_TI_2023

Script



```
In [1]: import mysql.connector

database = mysql.connector.connect(
    host = "localhost",
    user = "root",
    password = ""
)

cursorObject = database.cursor()

cursorObject.execute("CREATE DATABASE D3_TI_2023")

In [2]: import mysql.connector

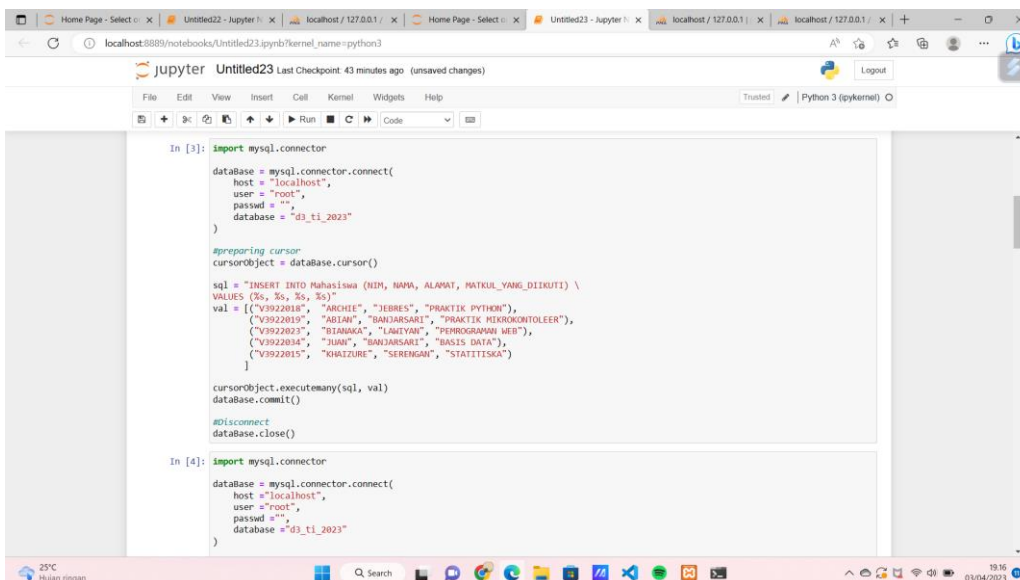
database = mysql.connector.connect(
    host = "localhost",
    user = "root",
    password = "",
    database = "d3_ti_2023"
)

cursorObject = database.cursor()

studentRecord = """CREATE TABLE Mahasiswa (
    NIM VARCHAR(10) NOT NULL PRIMARY KEY,
    NAMA VARCHAR(30) NOT NULL,
    ALAMAT VARCHAR(255),
    MATKUL_YANG_DIKUTI VARCHAR(10)
)"""

cursorObject.execute(studentRecord)

database.close()
```



```
In [3]: import mysql.connector

database = mysql.connector.connect(
    host = "localhost",
    user = "root",
    password = "",
    database = "d3_ti_2023"
)

#preparing cursor
cursorObject = database.cursor()

sql = "INSERT INTO Mahasiswa (NIM, NAMA, ALAMAT, MATKUL_YANG_DIKUTI) \
VALUES (%s, %s, %s, %s)"
val = [(("V3922018", "ABHIE", "JEBRES", "PRAKTIK PYTHON"),
("V3922019", "ABIAN", "BANJARSARI", "PRAKTIK MIKROKONTROLEER"),
("V3922023", "BIANUKA", "LAMITYAN", "PEMROGRAMAN WEB"),
("V3922024", "JUMI", "BANJARSARI", "BASIS DATA"),
("V3922015", "KHAIZURE", "SERENGAI", "STATISTIKA")
)]

cursorObject.executemany(sql, val)

database.commit()

#Disconnect
database.close()

In [4]: import mysql.connector

database = mysql.connector.connect(
    host = "localhost",
    user = "root",
    password = "",
    database = "d3_ti_2023"
)
```

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localhost8889/notebooks/Untitled23.ipynb?kernel_name=python3
jupyter Untitled23 Last Checkpoint: 44 minutes ago (unsaved changes)
File Edit View Insert Cell Kernel Widgets Help Trusted Python 3 (ipykernel)
In [4]: import mysql.connector
database = mysql.connector.connect(
    host = "localhost",
    user = "root",
    passwd = "",
    database = "d3_ti_2023"
)
cursorObject = database.cursor()
studentRecord = """CREATE TABLE Dosen (
    NIP VARCHAR(20) NOT NULL PRIMARY KEY,
    NAMA_DOSEN VARCHAR(50) NOT NULL,
    MATKUL_YANG_DIAJAR VARCHAR(50)
)"""
cursorObject.execute(studentRecord)
database.close()

In [5]: import mysql.connector
database = mysql.connector.connect(
    host = "localhost",
    user = "root",
    passwd = "",
    database = "d3_ti_2023"
)
#preparing cursor
cursorObject = database.cursor()
sql = "INSERT INTO Dosen (NIP, NAMA_DOSEN, MATKUL_YANG_DIAJAR) \
VALUES (%s, %s, %s)"
val = [("18705642", "YUSUF FADHIKA", "PRAKTIK PYTHON"),
```

```
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localhost8889/notebooks/Untitled23.ipynb?kernel_name=python3
jupyter Untitled23 Last Checkpoint: 44 minutes ago (autosaved)
File Edit View Insert Cell Kernel Widgets Help Trusted Python 3 (ipykernel)
In [5]: import mysql.connector
database = mysql.connector.connect(
    host = "localhost",
    user = "root",
    passwd = "",
    database = "d3_ti_2023"
)
#preparing cursor
cursorObject = database.cursor()
sql = "INSERT INTO Dosen (NIP, NAMA_DOSEN, MATKUL_YANG_DIAJAR) \
VALUES (%s, %s, %s)"
val = [("18705642", "YUSUF FADHIKA", "PRAKTIK PYTHON"),
      ("18706748", "FENDI", "PRAKTIK MIKROKONTROLER"),
      ("18709839", "MASBAHAT", "PEMROGRAMAN WEB"),
      ("18709021", "MASBAHAT", "BASIS DATA"),
      ("18702470", "TRISNA", "STATISTIKA")]
cursorObject.executemany(sql, val)
database.commit()
#Disconnect
database.close()

In [6]: import mysql.connector
database = mysql.connector.connect(
    host = "localhost",
    user = "root",
    passwd = "",
    database = "d3_ti_2023"
)
```

```
Home Page - Select x | Untitled22 - Jupyter | x | localhost / 127.0.0.1 | x | Home Page - Select x | Untitled23 - Jupyter | x | localhost / 127.0.0.1 | x | localhost / 127.0.0.1 | x | + |
localhost8889/notebooks/Untitled23.ipynb?kernel_name=python3
jupyter Untitled23 Last Checkpoint: 44 minutes ago (autosaved)
File Edit View Insert Cell Kernel Widgets Help Trusted Python 3 (ipykernel)
sql = "INSERT INTO Dosen (NIP, NAMA_DOSEN, MATKUL_YANG_DIAJAR) \
VALUES (%s, %s, %s)"
val = [("18705642", "YUSUF FADHIKA", "PRAKTIK PYTHON"),
      ("18706748", "FENDI", "PRAKTIK MIKROKONTROLER"),
      ("18709839", "MASBAHAT", "PEMROGRAMAN WEB"),
      ("18709021", "MASBAHAT", "BASIS DATA"),
      ("18702470", "TRISNA", "STATISTIKA")]
cursorObject.executemany(sql, val)
database.commit()
#Disconnect
database.close()

In [6]: import mysql.connector
database = mysql.connector.connect(
    host = "localhost",
    user = "root",
    passwd = "",
    database = "d3_ti_2023"
)
#preparing cursor
cursorObject = database.cursor()
query = "SELECT NAMA_MATKUL, NAMA_DOSEN FROM Mata_Kuliah"
cursorObject.execute(query)
myresult = cursorObject.fetchall()
for x in myresult:
    print(x)
database.close()
```

```
Untitled23 Last Checkpoint: 44 minutes ago (autosaved)
Python 3 (ipykernel)

In [7]: import mysql.connector

database = mysql.connector.connect(
    host = "localhost",
    user = "root",
    password = "",
    database = "d3_ti_2023"
)

cursorObject = database.cursor()

studentRecord = """CREATE TABLE Mata_Kuliah (
    KODE_MATKUL VARCHAR(10) NOT NULL PRIMARY KEY,
    NAMA_MATKUL VARCHAR(50) NOT NULL,
    NAMA_DOSEN VARCHAR(20),
    WAKTU DATE,
    RUANGAN VARCHAR(10)
)"""

cursorObject.execute(studentRecord)
database.close()

In [8]: import mysql.connector

database = mysql.connector.connect(
    host = "localhost",
    user = "root",
    password = "",
    database = "d3_ti_2023"
)

#preparing cursor
cursorObject = database.cursor()
```

```


#preparing cursor
cursorObject = database.cursor()

sql = "INSERT INTO Mata_Kuliah (KODE_MATKUL, NAMA_MATKUL, NAMA_DOSEN, WAKTU, RUANGAN) \
VALUES (%s, %s, %s, %s, %s)"
val = [( "22114488", "PRAKTIK PYTHON", "YUSUF FADHIKA", "2023-3-1", "Lab 2"),
( "44668899", "PRAKTIK MIKROKONTROLER", "FENDI", "2023-3-1", "Lab 1"),
( "11332266", "PEMROGRAMAN WEB", "MASBAHAH", "2023-3-1", "R. Mikro"),
( "55994477", "BASIS DATA", "MASBAHAH", "2023-3-2", "R. Mikro"),
( "22447766", "STATISTIKA", "TRISNA", "2023-3-2", "Lab 2")
]

cursorObject.executemany(sql, val)
database.commit()

#disconnect
database.close()

In [9]: import mysql.connector

database = mysql.connector.connect(
    host = "localhost",
    user = "root",
    password = "",
    database = "d3_ti_2023"
)

#preparing cursor
cursorObject = database.cursor()

query = "SELECT NAMA_MATKUL, NAMA_DOSEN FROM Mata_Kuliah"
cursorObject.execute(query)

myresult = cursorObject.fetchall()
```

```


#disconnect
database.close()

In [9]: import mysql.connector

database = mysql.connector.connect(
    host = "localhost",
    user = "root",
    password = "",
    database = "d3_ti_2023"
)

#preparing cursor
cursorObject = database.cursor()

query = "SELECT NAMA_MATKUL, NAMA_DOSEN FROM Mata_Kuliah"
cursorObject.execute(query)

myresult = cursorObject.fetchall()

for x in myresult:
    print(x)

database.close()

('PEMROGRAMAN WEB', 'MASBAHAH')
('PRAKTIK PYTHON', 'YUSUF FADHIKA')
('STATISTIKA', 'TRISNA')
('PRAKTIK MIKROKONTROLER', 'FENDI')
('BASIS DATA', 'MASBAHAH')
```

localhost/phpmyadmin/index.php?route=/sql&pos=0&db=d3_t1_2023&table=mata_kuliah

phpMyAdmin

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- New
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- mahasiswa
- mata_kuliah
- information_schema
- mahasiswa
- mhs_d3_t1_2023
- mydatabase
- mysql
- performance_schema
- phpmyadmin
- test

Showing rows 0 - 4 (5 total, Query took 0.0004 seconds.)

```
SELECT * FROM 'mata_kuliah'
```

Extra options

	KODE_MATKUL	NAMA_MATKUL	NAMA_DOSEN	WAKTU	RUANGAN
<input type="checkbox"/>	11332266	PEMROGRAMAN WEB	MASBAHAH	2023-03-01	R. Mikro
<input type="checkbox"/>	22114488	PRAKTIK PYTHON	YUSUF FADHIKA	2023-03-01	Lab 2
<input type="checkbox"/>	22447766	STATISTIKA	TRISNA	2023-03-02	Lab 2
<input type="checkbox"/>	44668899	PRAKTIK MIKROKONTROLER	FENDI	2023-03-01	Lab 1
<input type="checkbox"/>	55994477	BASIS DATA	MASBAHAH	2023-03-02	R. Mikro

Query results operations

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localhost/phpmyadmin/index.php?route=/sql&pos=0&db=d3_t1_2023&table=mahasiswa

phpMyAdmin

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- mhs_d3_t1_2023
- mydatabase
- mysql
- performance_schema
- phpmyadmin
- test

Showing rows 0 - 4 (5 total, Query took 0.0003 seconds.)

```
SELECT * FROM 'mahasiswa'
```

Extra options

	NIM	NAMA	ALAMAT	MATKUL YANG DIKUTI
<input type="checkbox"/>	V3922015	KHAIZURE	SERENGAN	STATISTIKA
<input type="checkbox"/>	V3922018	ARCHIE	JEBRES	PRAKTIK PY
<input type="checkbox"/>	V3922019	ABIAN	BANJARSARI	PRAKTIK MI
<input type="checkbox"/>	V3922023	BIANAKA	LAWIYAN	PEMROGRAMA
<input type="checkbox"/>	V3922034	JUAN	BANJARSARI	BASIS DATA

Query results operations

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localhost/phpmyadmin/index.php?route=/sql&pos=0&db=d3_t1_2023&table=dosen

phpMyAdmin

Recent Favorites

- New
- d3_t1_2023
- New
- dosen
- mahasiswa
- mata_kuliah
- information_schema
- mahasiswa
- mhs_d3_t1_2023
- mydatabase
- mysql
- performance_schema
- phpmyadmin
- test

Showing rows 0 - 4 (5 total, Query took 0.0003 seconds.)

```
SELECT * FROM 'dosen'
```

Extra options

	NIP	NAMA_DOSEN	MATKUL YANG DIAJAR
<input type="checkbox"/>	18702470	TRISNA	STATISTIKA
<input type="checkbox"/>	18705642	YUSUF FADHIKA	PRAKTIK PYTHON
<input type="checkbox"/>	18706748	FENDI	PRAKTIK MIKROKONTROLER
<input type="checkbox"/>	18709021	MASBAHAH	BASIS DATA
<input type="checkbox"/>	18709839	MASBAHAH	PEMROGRAMAN WEB

Query results operations

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