

LAPORAN ACTIVITY

Mata Praktikum : Algoritma dan Pemrograman 2B
Kelas : 1IA13
Praktikum ke- : 7
Tanggal : 26 MEI 2023
Materi : QT DESIGNER
NPM : 51422161
Nama : Muhammad Tarmidzi Bariq
Ketua Asisten : Muhammad Wildan Firdausi
Paraf Asisten :
Nama Asisten : Muhammad Wildan Firdausi
Jumlah Lembar : 5 Lembar

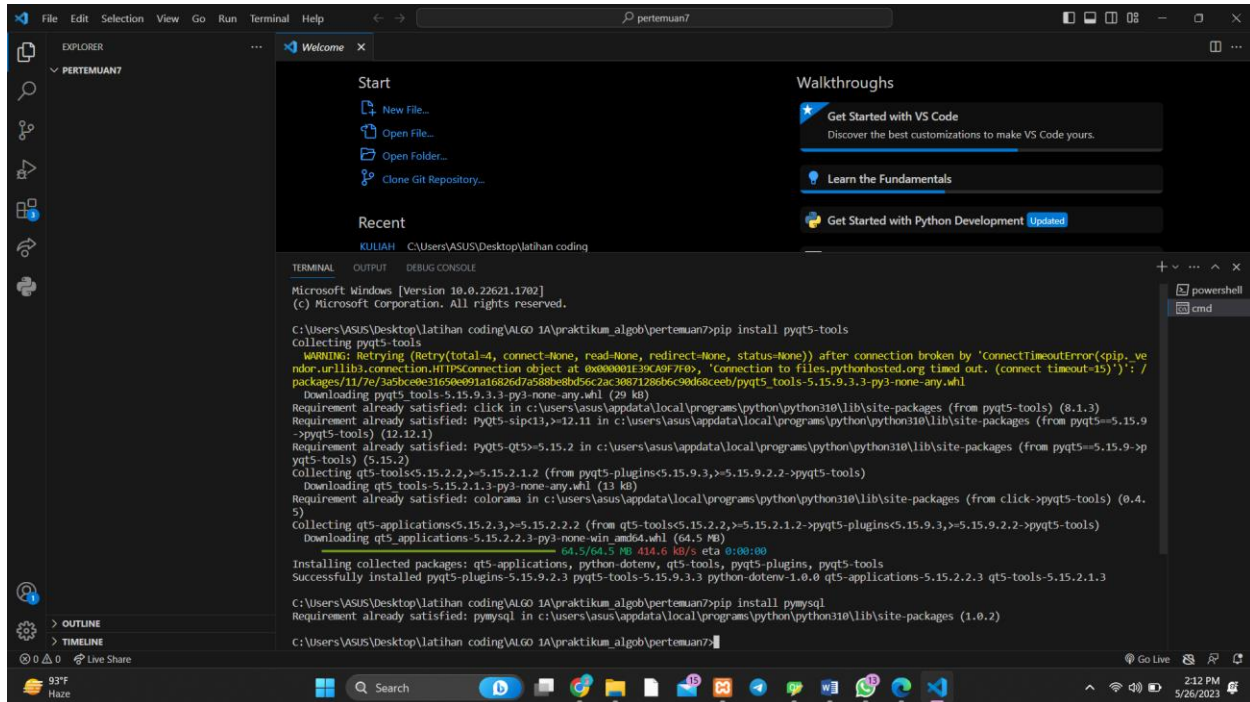
LABORATORIUM TEKNIK INFORMATIKA

UNIVERSITAS GUNADARMA

2023

Install pip install pyqt5-tools

pip install pymysql



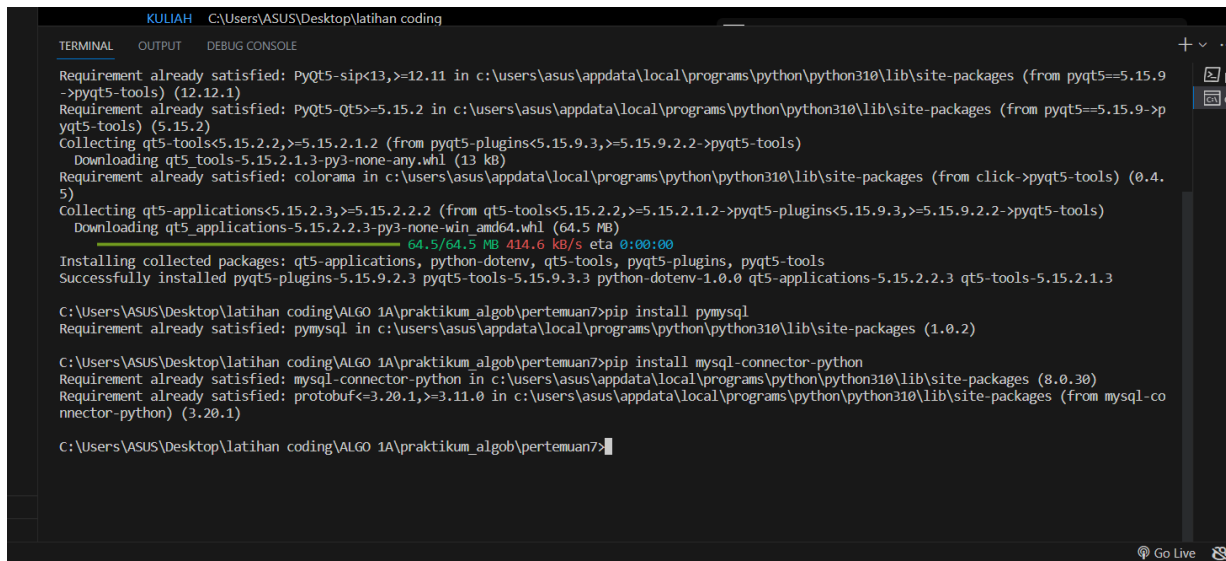
```
Microsoft Windows [Version 10.0.22621.1702]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ASUS\Desktop\latihan coding\ALGO 1A\praktikum_algob\pertemuan7>pip install pyqt5-tools
Collecting pyqt5-tools
  WARNING: Retrying (Retry(total=4, connect=None, read=None, redirect=None, status=None)) after connection broken by 'ConnectTimeoutError(<pip._vendor.urllib3.connection.HTTPSConnection object at 0x000001E39CA97F0>, 'connection to files.pythonhosted.org timed out. (connect timeout=15)')': /packages/11/7e/3a5b0ede31650e91a16826d7a588be8b56c2ac30871286b6c90d68ceeb/pyqt5_tools-5.15.9.3.3-py3-none-any.whl
  Downloading pyqt5_tools-5.15.9.3.3-py3-none-any.whl (29 kB)
Requirement already satisfied: click in c:\users\asus\appdata\local\programs\python\python310\lib\site-packages (from pyqt5-tools) (8.1.3)
Requirement already satisfied: PyQt5-sip<13,>=12.11 in c:\users\asus\appdata\local\programs\python\python310\lib\site-packages (from pyqt5==5.15.9->pyqt5-tools) (12.12.1)
Requirement already satisfied: PyQT5-QT5>=5.15.2 in c:\users\asus\appdata\local\programs\python\python310\lib\site-packages (from pyqt5==5.15.9->pyqt5-tools) (5.15.2)
Collecting qt5-tools<5.15.2.2,>=5.15.2.1.2 (from pyqt5-plugins<5.15.9.3,>=5.15.9.2.2->pyqt5-tools)
  Downloading qt5_tools-5.15.2.1.3-py3-none-any.whl (13 kB)
Requirement already satisfied: colorama in c:\users\asus\appdata\local\programs\python\python310\lib\site-packages (from click->pyqt5-tools) (0.4.5)
Collecting qt5-applications<5.15.2.3,>=5.15.2.2.2 (from qt5-tools<5.15.2.2,>=5.15.2.1.2->pyqt5-plugins<5.15.9.3,>=5.15.9.2.2->pyqt5-tools)
  Downloading qt5_applications-5.15.2.2.3-py3-none-win_amd64.whl (64.5 MB)
  64.5/64.5 MB 414.6 kB/s eta 0:00:00
Installing collected packages: qt5-applications, python-dotenv, qt5-tools, pyqt5-plugins, pyqt5-tools
Successfully installed pyqt5-plugins-5.15.9.2.3 pyqt5-tools-5.15.9.3.3 python-dotenv-1.0.0 qt5-applications-5.15.2.2.3 qt5-tools-5.15.2.1.3

C:\Users\ASUS\Desktop\latihan coding\ALGO 1A\praktikum_algob\pertemuan7>pip install pymysql
Requirement already satisfied: pymysql in c:\users\asus\appdata\local\programs\python\python310\lib\site-packages (1.0.2)

C:\Users\ASUS\Desktop\latihan coding\ALGO 1A\praktikum_algob\pertemuan7>
```

pip install mysql-connector-python



```
KULIAH C:\Users\ASUS\Desktop\latihan coding

Requirement already satisfied: Pyqt5-sip<13,>=12.11 in c:\users\asus\appdata\local\programs\python\python310\lib\site-packages (from pyqt5==5.15.9->pyqt5-tools) (12.12.1)
Requirement already satisfied: PyQT5-QT5>=5.15.2 in c:\users\asus\appdata\local\programs\python\python310\lib\site-packages (from pyqt5==5.15.9->pyqt5-tools) (5.15.2)
Collecting qt5-tools<5.15.2.2,>=5.15.2.1.2 (from pyqt5-plugins<5.15.9.3,>=5.15.9.2.2->pyqt5-tools)
  Downloading qt5_tools-5.15.2.1.3-py3-none-any.whl (13 kB)
Requirement already satisfied: colorama in c:\users\asus\appdata\local\programs\python\python310\lib\site-packages (from click->pyqt5-tools) (0.4.5)
Collecting qt5-applications<5.15.2.3,>=5.15.2.2.2 (from qt5-tools<5.15.2.2,>=5.15.2.1.2->pyqt5-plugins<5.15.9.3,>=5.15.9.2.2->pyqt5-tools)
  Downloading qt5_applications-5.15.2.2.3-py3-none-win_amd64.whl (64.5 MB)
  64.5/64.5 MB 414.6 kB/s eta 0:00:00
Installing collected packages: qt5-applications, python-dotenv, qt5-tools, pyqt5-plugins, pyqt5-tools
Successfully installed pyqt5-plugins-5.15.9.2.3 pyqt5-tools-5.15.9.3.3 python-dotenv-1.0.0 qt5-applications-5.15.2.2.3 qt5-tools-5.15.2.1.3

C:\Users\ASUS\Desktop\latihan coding\ALGO 1A\praktikum_algob\pertemuan7>pip install pymysql
Requirement already satisfied: pymysql in c:\users\asus\appdata\local\programs\python\python310\lib\site-packages (1.0.2)

C:\Users\ASUS\Desktop\latihan coding\ALGO 1A\praktikum_algob\pertemuan7>pip install mysql-connector-python
Requirement already satisfied: mysql-connector-python in c:\users\asus\appdata\local\programs\python\python310\lib\site-packages (8.0.30)
Requirement already satisfied: protobuf<3.20.1,>=3.11.0 in c:\users\asus\appdata\local\programs\python\python310\lib\site-packages (from mysql-connector-python) (3.20.1)

C:\Users\ASUS\Desktop\latihan coding\ALGO 1A\praktikum_algob\pertemuan7>
```


Database pert7_51422161 dan buat table tbl_mahasiswa

The screenshot shows the phpMyAdmin interface for the database 'pert7_51422161'. The table 'tbl_mahasiswa' is selected, and its structure is displayed. The table has four columns: 'nama' (varchar(50)), 'npm' (varchar(10)), 'kelas' (varchar(6)), and 'mata_prak' (varchar(30)). All columns are using the 'utf8mb4_general_ci' collation. The 'Tindakan' column shows options to 'Ubah' (Edit), 'Hapus' (Delete), and 'Lainnya' (More).

#	Nama	Jenis	Penyortiran	Atribut	Tak Ternilai	Bawaan	Komentar	Ekstra	Tindakan
1	nama	varchar(50)	utf8mb4_general_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
2	npm	varchar(10)	utf8mb4_general_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
3	kelas	varchar(6)	utf8mb4_general_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
4	mata_prak	varchar(30)	utf8mb4_general_ci		Tidak	Tidak ada			Ubah Hapus Lainnya

Below the table structure, there is a section for 'Indeks' (Indexes). It shows a message: 'Indeks belum ditentukan' (Index not defined). There is a button 'Kirim' (Send) to create an index.

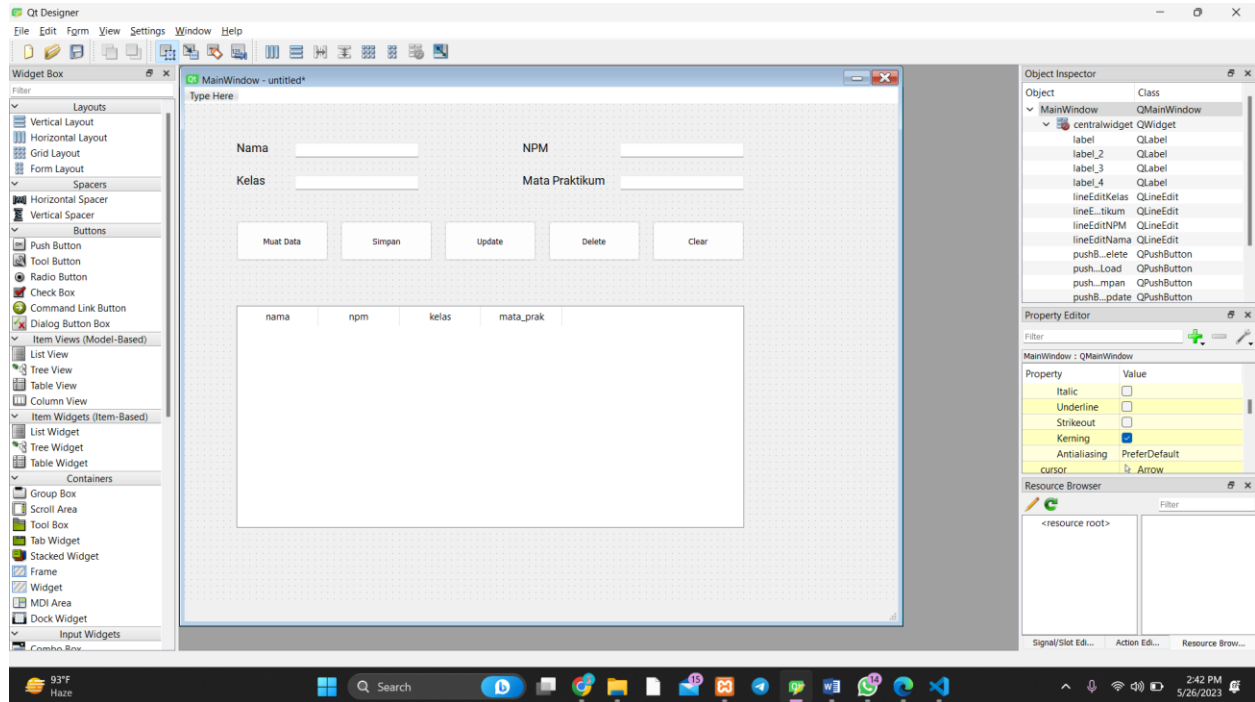
Data sudah di input

The screenshot shows the phpMyAdmin interface for the database 'pert7_51422161'. The table 'tbl_mahasiswa' is selected, and the 'Data' tab is active. The table contains two rows of data:

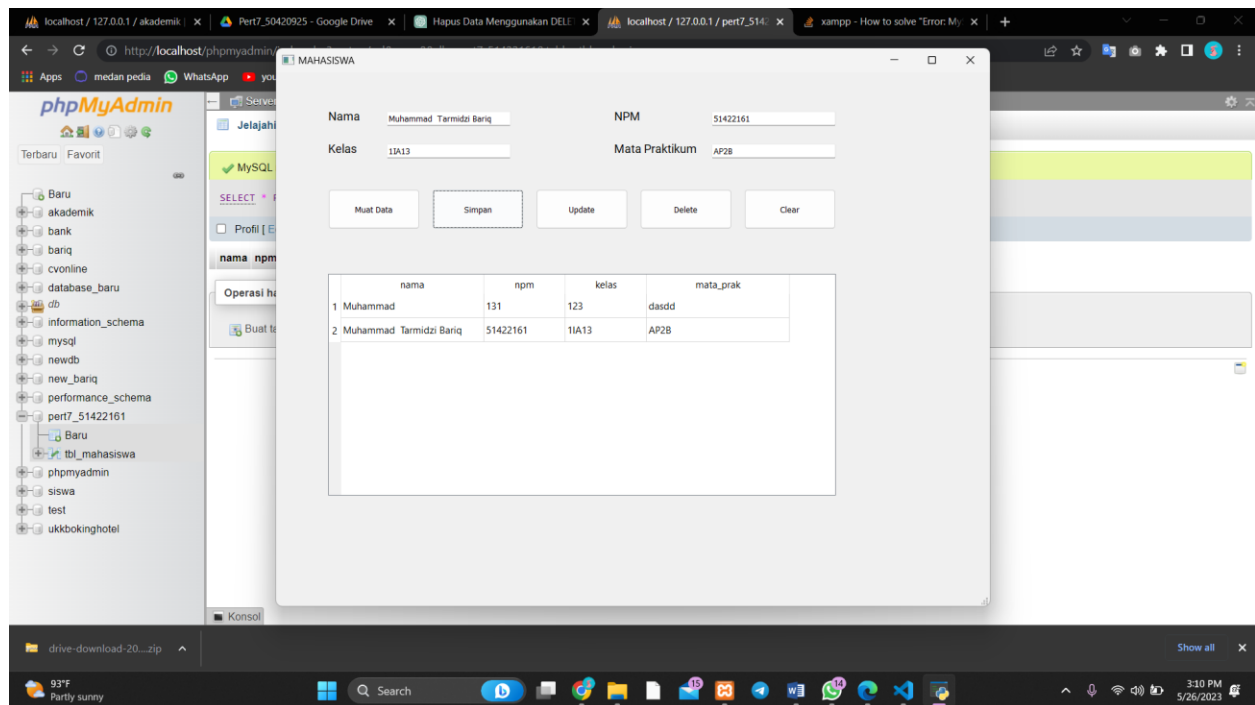
nama	npm	kelas	mata_prak
Muhammad	131	123	dasdd
Muhammad Tarmidzi Bariq	51422161	11A13	AP2B

Below the table, there is a section for 'Operasi hasil kueri' (Query result operations). It includes buttons for 'Cetak' (Print), 'Salin ke clipboard' (Copy to clipboard), 'Ekspor' (Export), 'Tampilkan bagan' (Show diagram), and 'Buat tampilan' (Create view).

QtDesigner



Isi data nama, kelas, npm, mata praktikum



```
conndb.py > conndb > queryResult
1 import mysql.connector
2
3 class conndb:
4     def __init__(self):
5         pass
6
7     def queryResult(self, strsql):
8         cnx = mysql.connector.connect(user='root', password='', host='localhost', database='pert7_51422161')
9         conn = cnx.cursor()
10        conn.execute(strsql)
11        result = conn.fetchall()
12        return result
13
14
15    def queryExecute(self, strsql):
16        cnx = mysql.connector.connect(user='root', password='', host='localhost', database='pert7_51422161')
17        conn = cnx.cursor()
18        conn.execute(strsql)
19        cnx.commit()
20        pass
```

```
mahasiswa.py > ...
1 import sys
2 from PyQt5 import QtWidgets, uic
3 import conndb
4
5 class MainWindow(QtWidgets.QMainWindow):
6     def __init__(self, *args, **kwargs):
7         super().__init__(*args, **kwargs)
8         uic.loadUi("Mahasiswa.ui", self)
9         self.setWindowTitle("MAHASISWA")
10        self.pushButtonLoad.clicked.connect(self.loadData)
11        self.pushButtonSimpan.clicked.connect(self.createData)
12        self.pushButtonUpdate.clicked.connect(self.updateData)
13        self.pushButtonDelete.clicked.connect(self.deleteData)
14        self.pushButtonClear.clicked.connect(self.clear)
15        self.tableWidget.clicked.connect(self.getData)
16        self.tableWidget.setColumnWidth(0, 220)
17        self.tableWidget.setColumnWidth(3, 220)
18        pass
19
20    def getData(self):
21        row = self.tableWidget.currentRow()
22        print(str(row))
23        rowItemNama = self.tableWidget.item(row, 0).text()
24        rowItemNpm = self.tableWidget.item(row, 1).text()
25        rowItemKelas = self.tableWidget.item(row, 2).text()
26        rowItemMatprak = self.tableWidget.item(row, 3).text()
27
28        self.lineEditNama.setText(rowItemNama)
```