

ACTIVITY PERTEMUAN 6

NAMA : Mikail Thoriq Kariemshah Banowo

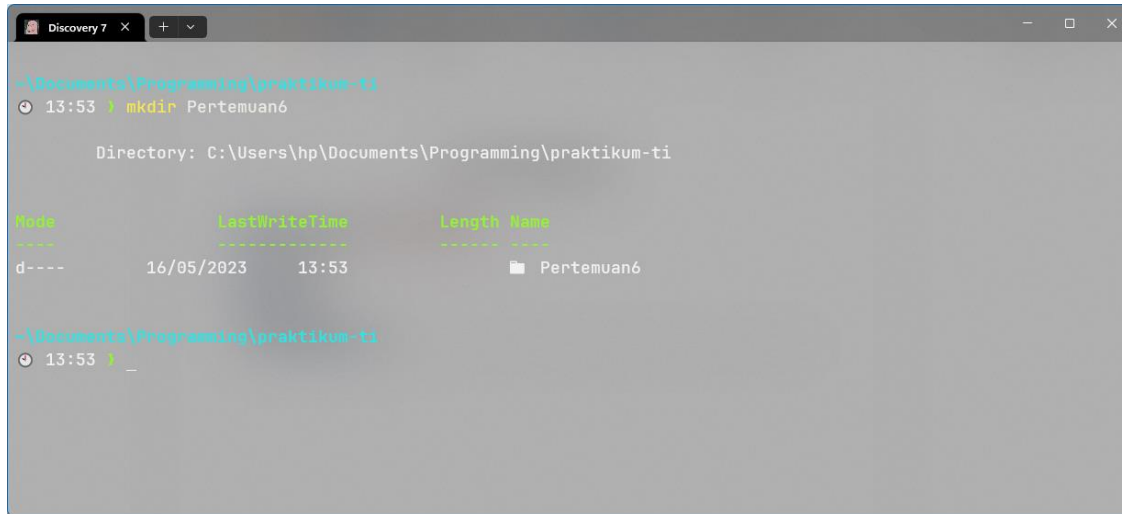
NPM : 50422881

KELAS : 1IA19

MATERI : PyQt5

MATA PRAKTIKUM : AP2B

Membuat folder



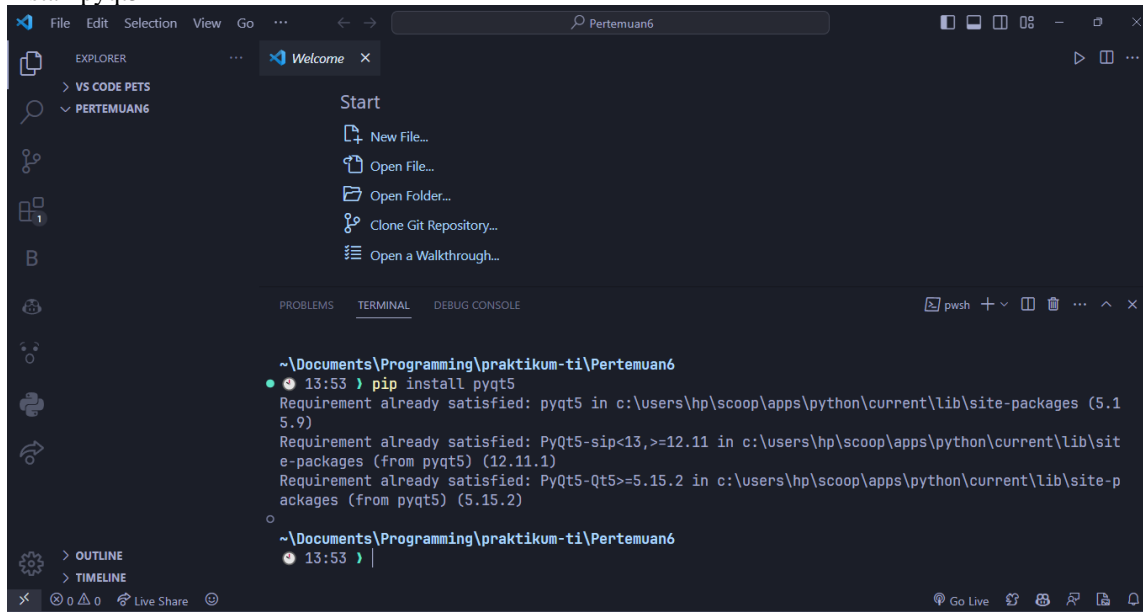
```
Discovery 7 x + v
~\Documents\Programming\praktikum-ti
13:53 > mkdir Pertemuan6

Directory: C:\Users\hp\Documents\Programming\praktikum-ti

Mode                LastWriteTime         Length Name
----                -
d-----         16/05/2023   13:53           Pertemuan6

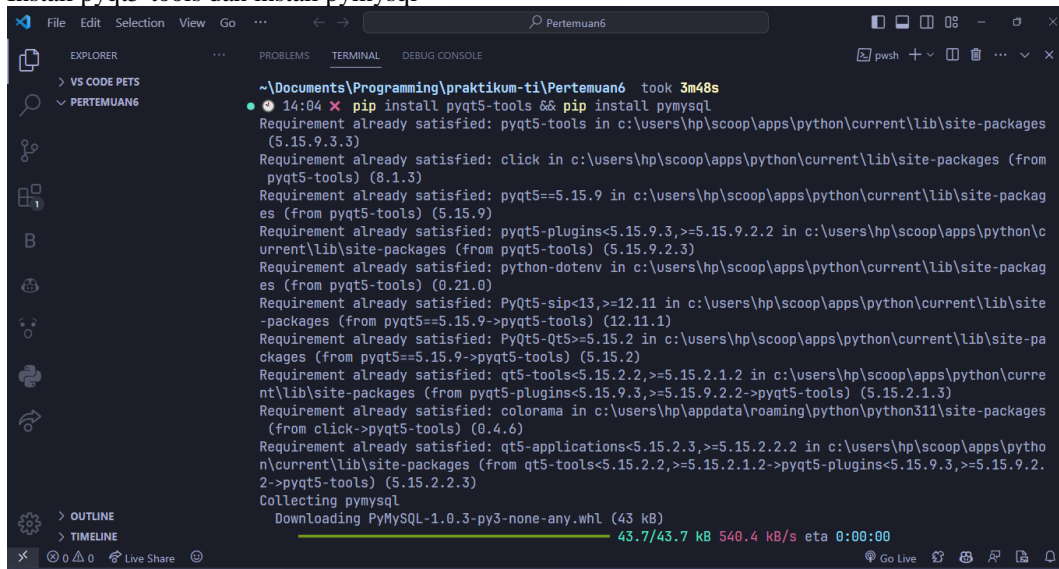
~\Documents\Programming\praktikum-ti
13:53 > _
```

Install pyqt5



```
File Edit Selection View Go ... < -> Pertemuan6
EXPLORER Welcome x
VS CODE PETS
PERTEMUANG
Start
New File...
Open File...
Open Folder...
Clone Git Repository...
Open a Walkthrough...
PROBLEMS TERMINAL DEBUG CONSOLE
pwsh + v ... ^ x
~\Documents\Programming\praktikum-ti\Pertemuan6
13:53 > pip install pyqt5
Requirement already satisfied: pyqt5 in c:\users\hp\scoop\apps\python\current\lib\site-packages (5.15.9)
Requirement already satisfied: PyQt5-sip<13,>=12.11 in c:\users\hp\scoop\apps\python\current\lib\site-packages (from pyqt5) (12.11.1)
Requirement already satisfied: PyQt5-Qt5>=5.15.2 in c:\users\hp\scoop\apps\python\current\lib\site-packages (from pyqt5) (5.15.2)
~\Documents\Programming\praktikum-ti\Pertemuan6
13:53 > |
```

Install pyqt5-tools dan install pymysql



```
-.\Documents\Programming\praktikum-ti\Pertemuan6 took 3m48s
● 14:04 ✖ pip install pyqt5-tools && pip install pymysql
Requirement already satisfied: pyqt5-tools in c:\users\hp\scoop\apps\python\current\lib\site-packages
(5.15.9.3.3)
Requirement already satisfied: click in c:\users\hp\scoop\apps\python\current\lib\site-packages (from
pyqt5-tools) (8.1.3)
Requirement already satisfied: pyqt5==5.15.9 in c:\users\hp\scoop\apps\python\current\lib\site-packag
es (from pyqt5-tools) (5.15.9)
Requirement already satisfied: pyqt5-plugins<5.15.9.3,>=5.15.9.2.2 in c:\users\hp\scoop\apps\python\c
urrent\lib\site-packages (from pyqt5-tools) (5.15.9.2.3)
Requirement already satisfied: python-dotenv in c:\users\hp\scoop\apps\python\current\lib\site-packag
es (from pyqt5-tools) (0.21.0)
Requirement already satisfied: PyQt5-sip<13,>=12.11 in c:\users\hp\scoop\apps\python\current\lib\site
-packages (from pyqt5==5.15.9->pyqt5-tools) (12.11.1)
Requirement already satisfied: PyQt5-Qt5>=5.15.2 in c:\users\hp\scoop\apps\python\current\lib\site-pa
ckages (from pyqt5==5.15.9->pyqt5-tools) (5.15.2)
Requirement already satisfied: qt5-tools<5.15.2.2,>=5.15.2.1.2 in c:\users\hp\scoop\apps\python\curre
nt\lib\site-packages (from pyqt5-plugins<5.15.9.3,>=5.15.9.2.2->pyqt5-tools) (5.15.2.1.3)
Requirement already satisfied: colorama in c:\users\hp\appdata\roaming\python\python311\site-packages
 (from click->pyqt5-tools) (0.4.6)
Requirement already satisfied: qt5-applications<5.15.2.3,>=5.15.2.2.2 in c:\users\hp\scoop\apps\pytho
n\current\lib\site-packages (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) (5.15.2.2.3)
Collecting pymysql
  Downloading PyMySQL-1.0.3-py3-none-any.whl (43 kB)
  43.7/43.7 kB 540.4 kB/s eta 0:00:00
```

Mengcoding aplikasi PyQt5

```
from PyQt5.QtWidgets import *
from PyQt5.QtCore import *

def main():
    global app, window, textbox_nama, textbox_npm, textbox_kelas

    app = QApplication([])

    window = QWidget()
    window.setGeometry(400, 200, 400, 100)
    window.setWindowTitle("Pertemuan 6 - 50422881")

    label_judul = QLabel("Masukkan Data Diri Anda")
    label_nama = QLabel("Nama")
    label_npm = QLabel("NPM")
    label_kelas = QLabel("Kelas")

    textbox_nama = QLineEdit()
    textbox_npm = QLineEdit()
    textbox_kelas = QLineEdit()

    textbox_kelas.setPlaceholderText("Masukkan Nama Anda")
    textbox_npm.setPlaceholderText("Masukkan NPM Anda")
    textbox_nama.setPlaceholderText("Masukkan Kelas Anda")

    button_submit = QPushButton("Input Data")
    button_submit.clicked.connect(on_clicked)
```

```

layout = QVBoxLayout()

layout.addWidget(label_judul, alignment=Qt.AlignCenter)
layout.addWidget(label_nama)
layout.addWidget(textbox_nama)
layout.addWidget(label_npm)
layout.addWidget(textbox_npm)
layout.addWidget(label_kelas)
layout.addWidget(textbox_kelas)
layout.addWidget(button_submit)

window.setLayout(layout)
window.show()

app.exec_()

def on_clicked():
    if textbox_nama.text() == "" or textbox_npm.text() == "" or
    textbox_kelas.text() == "":
        message = QMessageBox()
        message.critical(
            window,
            "Error",
            "Mohon isi semua kolom form",
        )
        return

    message = QMessageBox()
    message.information(
        window,
        "Data diri anda",
        (
            f>Nama: {textbox_nama.text()} \nNPM: {textbox_npm.text()} \nKelas:
{textbox_kelas.text()}
        ),
    )

    textbox_nama.setText("")
    textbox_npm.setText("")
    textbox_kelas.setText("")

if __name__ == "__main__":
    main()

```

hasil aplikasi

