

Nama: Widya Anggraini

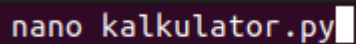
NIM : 09030582226025

TK4A

TUGAS Praktikum Sistem Operasi Kalkulator

Membuat Program Kalkulator dengan teks editor di linux

1. Untuk membuat file python kita tinggal menambah format file dengan .py
2. nano "Kalkulator.py"



3. lalu kita tinggal memasukkan program python nya. dan save

```
GNU nano 6.2
# Fungsi untuk penambahan
def tambah(x, y):
    return x + y

# Fungsi untuk pengurangan
def kurang(x, y):
    return x - y

# Fungsi untuk perkalian
def kali(x, y):
    return x * y

# Fungsi untuk pembagian
def bagi(x, y):
    if y == 0:
        return "Tidak bisa dibagi dengan 0"
    return x / y

print("Pilih operasi.")
print("1. Penambahan")
print("2. Pengurangan")
print("3. Perkalian")
print("4. Pembagian")

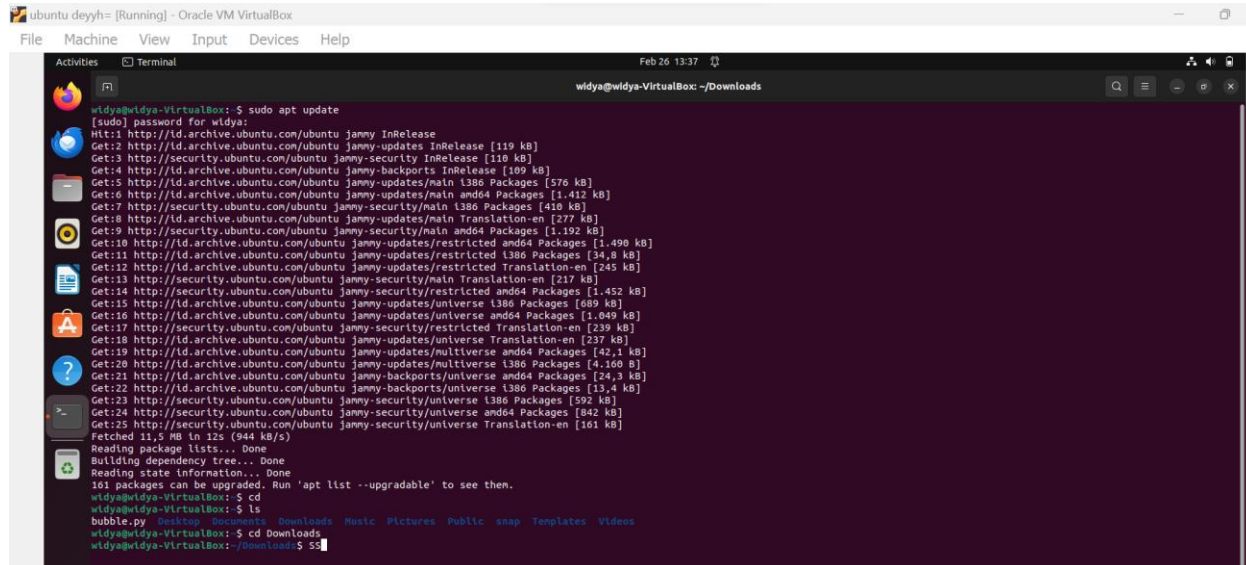
while True:
    # Meminta input dari pengguna
    pilihan = input("Masukkan pilihan (1/2/3/4): ")

    # Memeriksa apakah input adalah angka
    if pilihan in ('1', '2', '3', '4'):
        angka1 = float(input("Masukkan angka pertama: "))
        angka2 = float(input("Masukkan angka kedua: "))

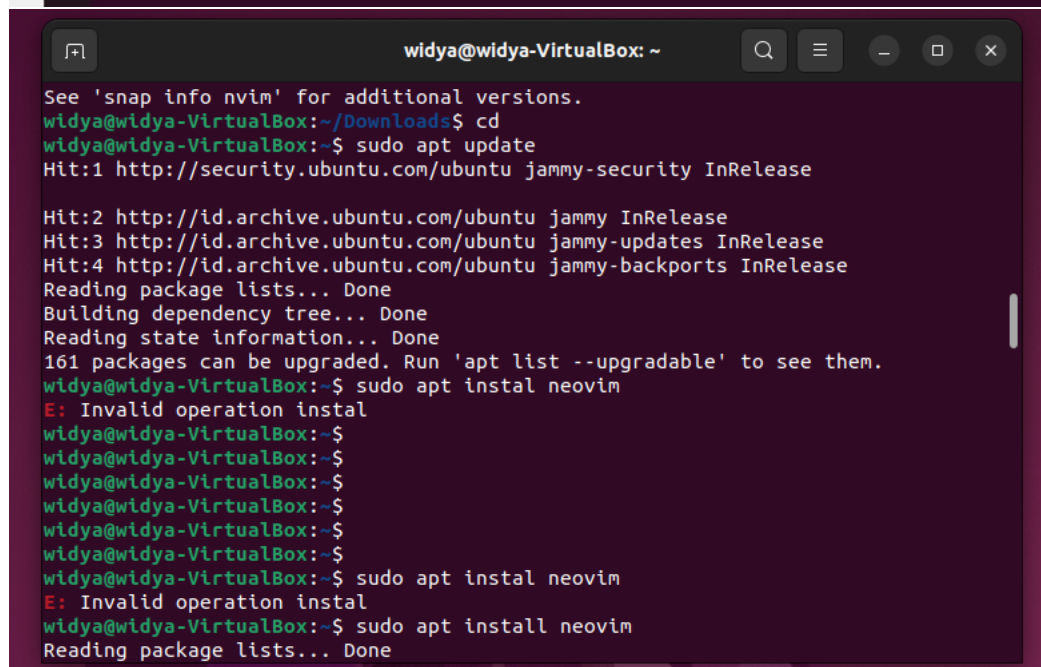
        if pilihan == '1':
            print("Hasil:", tambah(angka1, angka2))
        elif pilihan == '2':
            print("Hasil:", kurang(angka1, angka2))
        elif pilihan == '3':
            print("Hasil:", kali(angka1, angka2))
        elif pilihan == '4':
            print("Hasil:", bagi(angka1, angka2))
        break
    else:
        print("Pilihan tidak valid. Silakan masukkan angka 1, 2, 3, atau 4.")
```

4. Jika ingin menjalankan program python kita perlu ketik command

```
python3 kalkulator.py
```



```
widya@widya-VirtualBox: ~/Downloads$ sudo apt update
[sudo] password for widya:
Hit:1 http://id.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://id.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:3 http://security.ubuntu.com/ubuntu jammy-security InRelease [119 kB]
Get:4 http://id.archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Get:5 http://id.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [576 kB]
Get:6 http://id.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1.412 kB]
Get:7 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [410 kB]
Get:8 http://id.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [277 kB]
Get:9 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1.192 kB]
Get:10 http://id.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [1.490 kB]
Get:11 http://id.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [34.8 kB]
Get:12 http://id.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [245 kB]
Get:13 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [1.452 kB]
Get:14 http://id.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [689 kB]
Get:15 http://id.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1.049 kB]
Get:16 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [239 kB]
Get:17 http://id.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [237 kB]
Get:18 http://id.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [42.1 kB]
Get:19 http://id.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [4.160 B]
Get:20 http://id.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [24.3 kB]
Get:21 http://id.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [13.4 kB]
Get:22 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [592 kB]
Get:23 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [842 kB]
Get:24 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [161 kB]
Fetched 11.5 MB in 12s (944 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
161 packages can be upgraded. Run 'apt list --upgradable' to see them.
widya@widya-VirtualBox: ~/Downloads$ cd
widya@widya-VirtualBox: ~/Downloads$ ls
bubble.py  Downloads  Music  Pictures  Public  snap  Templates  Videos
widya@widya-VirtualBox: ~/Downloads$ cd Downloads
widya@widya-VirtualBox: ~/Downloads$
```



```
widya@widya-VirtualBox: ~$ See 'snap info nvim' for additional versions.
widya@widya-VirtualBox: ~/Downloads$ cd
widya@widya-VirtualBox: ~/Downloads$ sudo apt update
Hit:1 http://security.ubuntu.com/ubuntu jammy-security InRelease
Hit:2 http://id.archive.ubuntu.com/ubuntu jammy InRelease
Hit:3 http://id.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:4 http://id.archive.ubuntu.com/ubuntu jammy-backports InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
161 packages can be upgraded. Run 'apt list --upgradable' to see them.
widya@widya-VirtualBox: ~/Downloads$ sudo apt instal neovim
E: Invalid operation instal
widya@widya-VirtualBox: ~/Downloads$ ls
bubble.py  Downloads  Music  Pictures  Public  snap  Templates  Videos
widya@widya-VirtualBox: ~/Downloads$
widya@widya-VirtualBox: ~/Downloads$ sudo apt instal neovim
E: Invalid operation instal
widya@widya-VirtualBox: ~/Downloads$ sudo apt install neovim
Reading package lists... Done
```

```
widya@widya-VirtualBox: ~/Downloads

Nama: Widya Anggraini
NIM: 09030582226025
Kelas:TK4As|
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
mahasiswa.txt [4,12] All
-- INSERT --

widya@widya-VirtualBox: ~/Downloads

Setting up libluajit-5.1-common (2.1.0~beta3+dfsg-6) ...
Setting up xclip (0.13-2) ...
Setting up libtermkey1:amd64 (0.22-1) ...
Setting up python3-msgpack (1.0.3-1build1) ...
Setting up libluajit-5.1-2:amd64 (2.1.0~beta3+dfsg-6) ...
Setting up python3-pynvim (0.4.2-1) ...
Setting up python3-neovim (0.4.2-1) ...
Setting up neovim (0.6.1-3) ...
Processing triggers for hicolor-icon-theme (0.17-2) ...
Processing triggers for gnome-menus (3.36.0-1ubuntu3) ...
Processing triggers for libc-bin (2.35-0ubuntu3.4) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for mailcap (3.70+nmu1ubuntu1) ...
Processing triggers for desktop-file-utils (0.26-1ubuntu3) ...
widya@widya-VirtualBox:~$ cd Downloads
widya@widya-VirtualBox:~/Downloads$ nvim mahasiswa.txt
widya@widya-VirtualBox:~/Downloads$ ls
mahasiswa.txt
widya@widya-VirtualBox:~/Downloads$ cat mahasiswa.txt

Nama: Widya Anggraini
NIM: 09030582226025
Kelas:TK4A
widya@widya-VirtualBox:~/Downloads$ S
```

```
widya@widya-VirtualBox: ~/Downloads
Processing triggers for desktop-file-utils (0.26-1ubuntu3) ...
widya@widya-VirtualBox:~$ cd Downloads
widya@widya-VirtualBox:~/Downloads$ nvim mahasiswa.txt
widya@widya-VirtualBox:~/Downloads$ ls
mahasiswa.txt
widya@widya-VirtualBox:~/Downloads$ cat mahasiswa.txt

Nama: Widya Anggraini
NIM: 09030582226025
Kelas:TK4A
widya@widya-VirtualBox:~/Downloads$ nvim calculator.py
[1]+  Stopped                  nvim calculator.py
widya@widya-VirtualBox:~/Downloads$ nvim calculator.py
widya@widya-VirtualBox:~/Downloads$ ls
calculator.py  mahasiswa.txt
widya@widya-VirtualBox:~/Downloads$ python3 calculator.py
Pilih operasi:
1. Tambah
2. Kurang
3. Kali
4. Bagi
5. Keluar
Masukkan pilihan (1/2/3/4/5):
```

```
widya@widya-VirtualBox: ~/Downloads
widya@widya-VirtualBox:~/Downloads$ nvim calculator.py
[1]+  Stopped                  nvim calculator.py
widya@widya-VirtualBox:~/Downloads$ nvim calculator.py
widya@widya-VirtualBox:~/Downloads$ ls
calculator.py  mahasiswa.txt
widya@widya-VirtualBox:~/Downloads$ python3 calculator.py
Pilih operasi:
1. Tambah
2. Kurang
3. Kali
4. Bagi
5. Keluar
Masukkan pilihan (1/2/3/4/5): 1
Masukkan angka pertama: 22
Masukkan angka kedua: 30
22.0 + 30.0 = 52.0
Pilih operasi:
1. Tambah
2. Kurang
3. Kali
4. Bagi
5. Keluar
Masukkan pilihan (1/2/3/4/5): ss
```