Nama : Ambar Wati

NIM : 20.01.013.001

Kelas : C

Mata Kuliah : Pemrograman Python

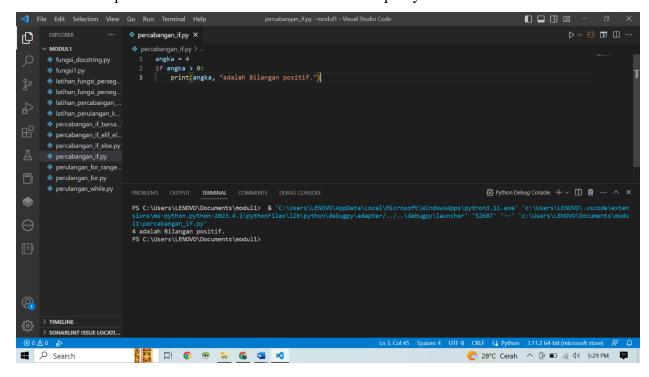
### Task 2

# **Python Modul 4**

# Percabangan

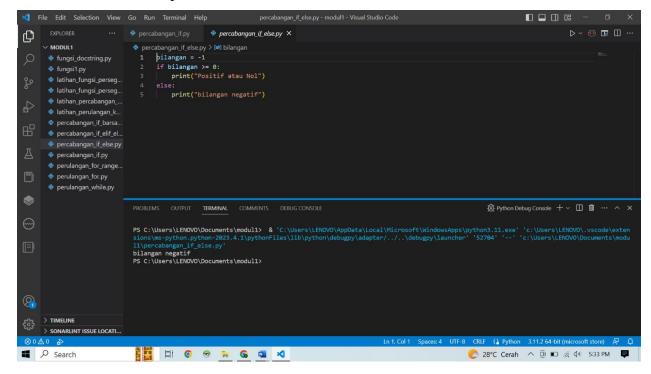
# 1. Pernyataan if

Terdiri dari ekspresi Boolean diikuti satu baris atau lebih pernyataan



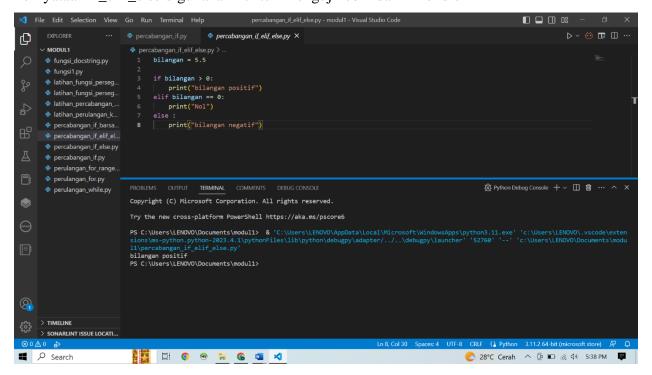
### 2. Pernyataan if\_else

Ada 2 kondisi, komdisi pertaman kalau benar dan kondisi ke dua kalau salah.

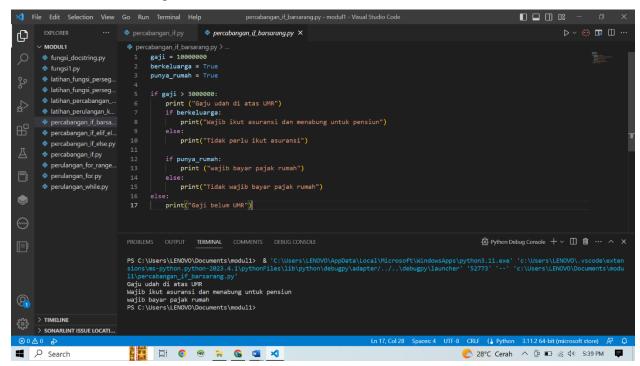


### 3. Pernyataan if\_elif\_else

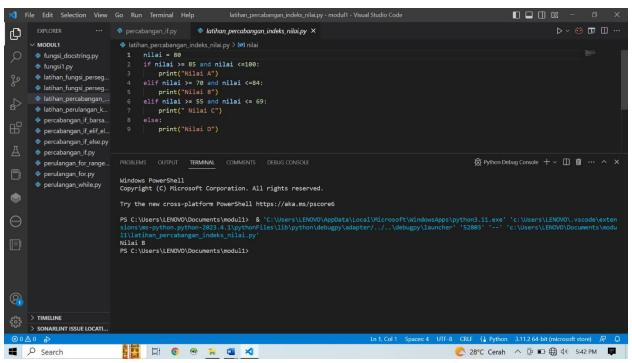
Pernyataan if\_elif\_else digunanakn untuk menguji lebih dari 2 kondisi



# 4. Tambahan: if Bersarang

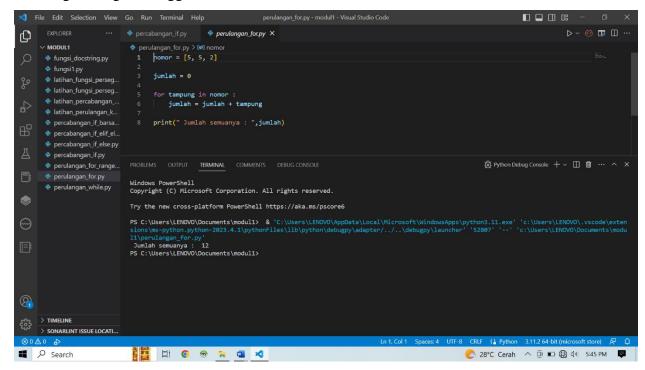


# 5. Contoh Program Percabangan Indeks Nilai Statis

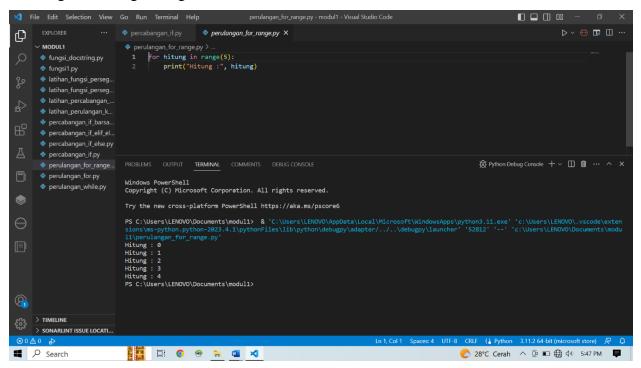


### Perulangan

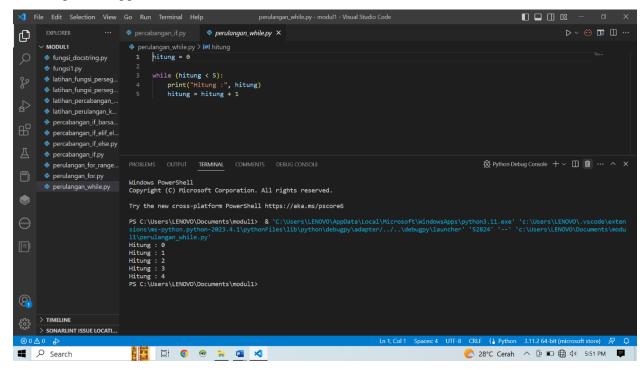
1. Perulangan dengan menggunakan for



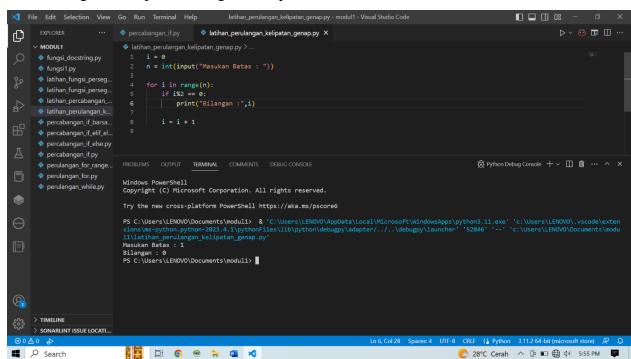
# Perulangan for dengan range



# 2. Perulangan Menggunakan while

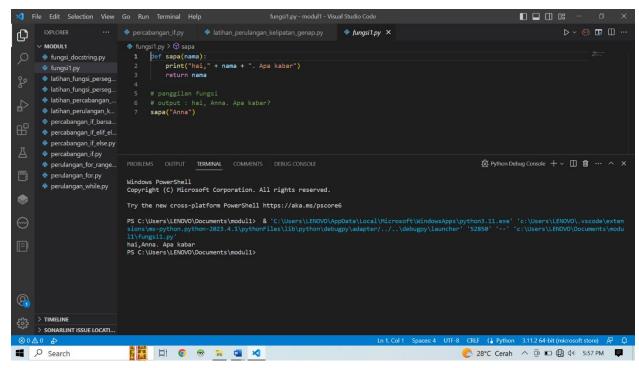


# 3. Contoh Program Kelipatan Bilangan Genap

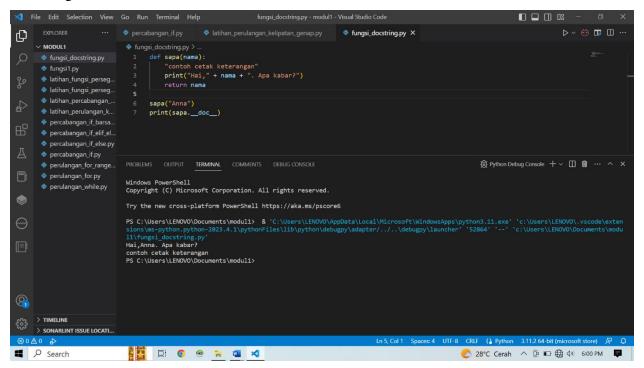


#### Latihan

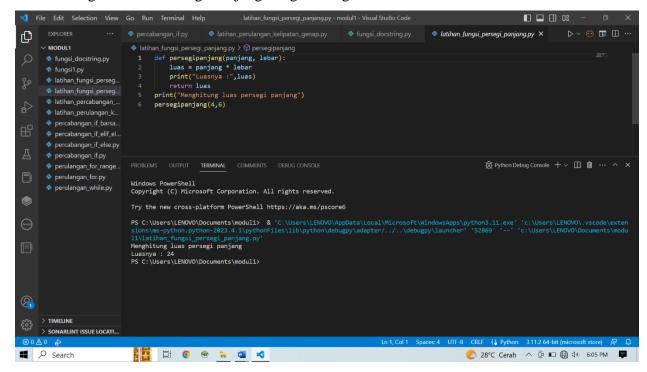
1. Mendefinisikan Fungsi

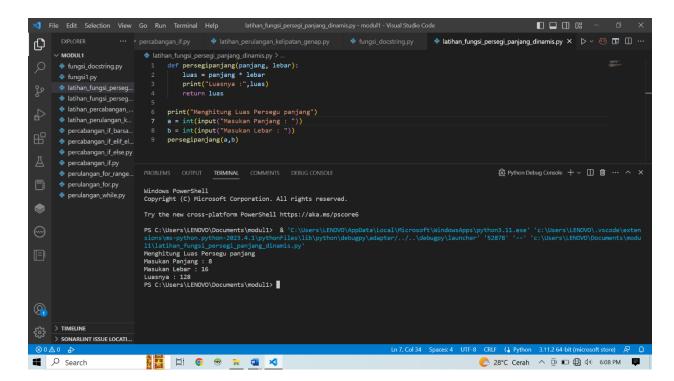


# 2. Docstring

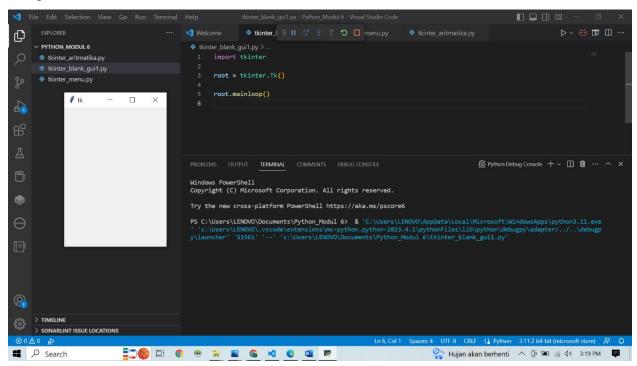


3. Contoh Program Luas Persegi Panjang dengan Fungsi



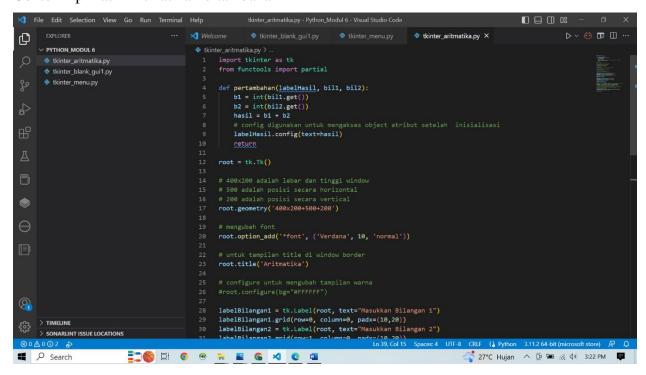


# 1. Tampilan GUI Sederhana

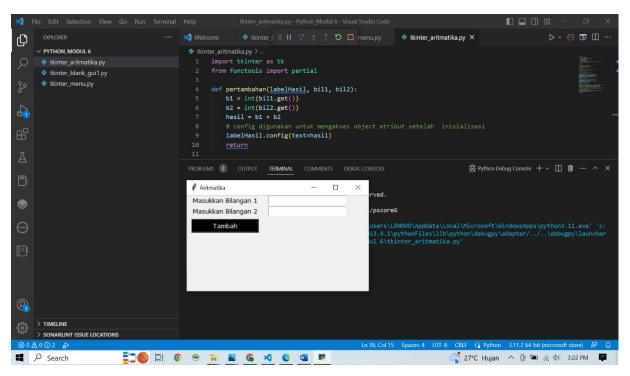


Kode Tampilan GUI sederhana dan gambat Tampilan GUI sederhana

### 2. Contoh Aplikasi Aritmatika Pertambahan

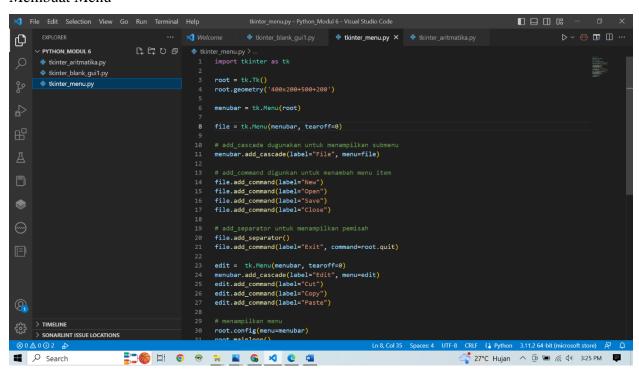


Kode Aplikasi Artimatika pertambahan

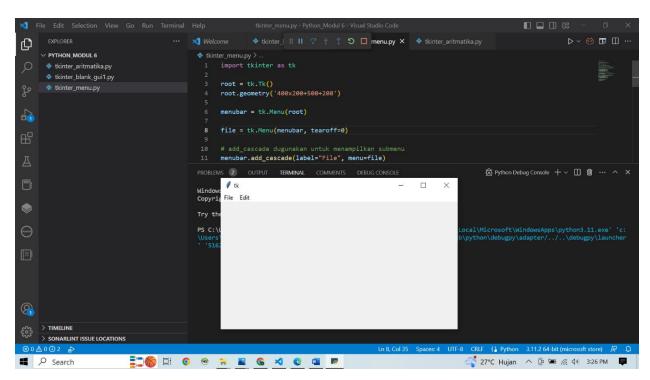


Gambar Aplikasi Aritmatika

#### 3. Membuat Menu



Kode Tampilan Menu



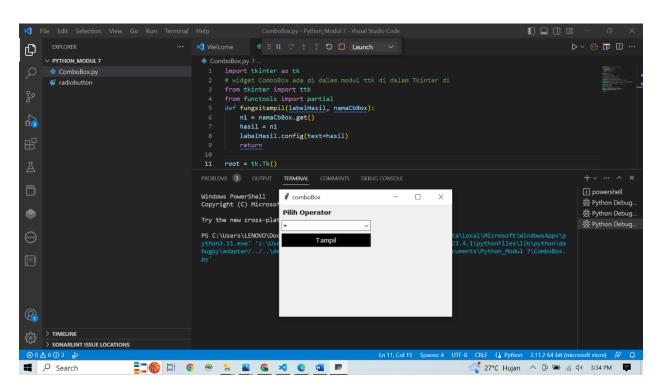
Gambar Tambilan Menu

# Python Modul 7

1. ComboBox

```
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      V PYTHON MODUL 7
                                                           import tkinter as tk
       radiobutton
                                                           from functools import partial
                                                            def fungsitampil(labelHasil, namaCbBox):
                                                               n1 = namaCbBox.get()
                                                                labelHasil.config(text=hasil)
                                                           root.title('comboBox')
root.geometry('300x200+500+100')
root.option_add('*font', ('Verdana', 10, 'normal'))
# font digunakan untuk semua widget label
root.option_add('*Label.font', ('Verdana', 10, 'bold'))
                                                           labelPilihOperator = tk.Label(root, text="Pilih Operator")
                                                           labelPilihOperator.grid(row=0, column=0, sticky="W", padx=(5,0), pady=(5,5))
                                                           ComboPilihOperator = ttk.Combobox(root, values=["*", "-", "*", "/"], textvariable=namaCbBox)
ComboPilihOperator.grid(row=1, column=0, padx=(5,0), pady=(0,5))
                                                           # 0 artinya menampilkan value pertama ComboBox yaitu simbol TAMBAH (+)
ComboPilihOperator.current(0)
      > TIMELINE
      > SONARLINT ISSUE LOCATIONS
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Search
```

Kode Tampilan ComboBox



Tampilan ComboBox

#### 2. RadioButton

```
📢 File Edit Selection View Go Run Terminal Help
                                                                                               radiobutton.py - Python_Modul 7 - Visual Studio Code
                                                                                                                                                                                                              ▷ ~ ◎ □ □ ···
          EXPLORER

★ Welcome

                                                                                                                          radiobutton.py X
凸
        V PYTHON MODUL 7
                                                                                 import tkinter as tk
from functools import partial
                                                                                 def fungsitampil(labelHasil, rb):
    ambil = rb.get()
                                                                                       hasil = ambil
labelHasil.config(text=hasil)
                                                                                root = tk.Tk()
root.title('Radio Button')
                                                                                 root.geometry('300x200+500+100')
root.option_add('*font', ('Verdana', 10, 'normal'))
root.option_add('*Label.font', ('Verdana', 10, 'bold'))
labelPilihJurusan.grid(row=0, column=0, sticky="W", padx=(5,0), pady=(5,5))
rbValue = tk.IntVar()
# variable, akan terisi value (nilai) berdasarkan pemilihan tombol (Radio Button)
                                                                                # value, memberikan nilai ke variable
rbSI = tk.Radiobutton(root, text="Sistem Informasi", variable=rbValue, value=1)
                                                                                rbb1.grid(row=1, column=0, sticky="W")

rb51.grid(row=2, column=0, sticky="W")

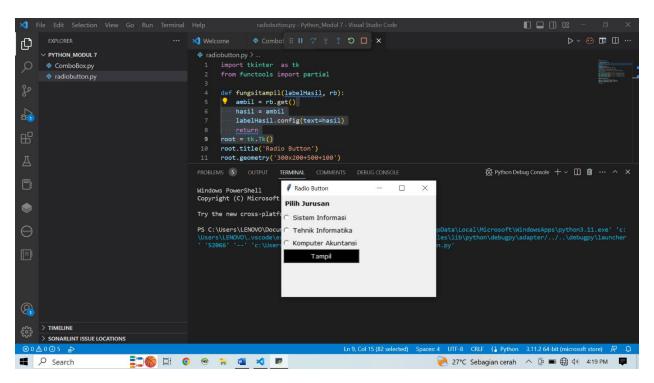
rb51 = tk.Radiobutton(root, text="rehnik Informatika", variable=rbValue, value=2)

rb51.grid(row=2, column=0, sticky="W")

rb51 = tk.Radiobutton(root, text="Komputer Akuntansi", variable=rbValue, value=3)

rb51.grid(row=3, column=0, sticky="W")
                                                                                 labelHasil = tk.Label(root)
labelHasil.grid(row=5, column=0)
        > TIMELINE
         > SONARLINT ISSUE LOCATIONS
                                            🚉 🏀 📋 🌀 😁 📜 💆 🗸
                                                                                                                                                                           🔁 27°C Sebagian cerah \land 🗓 📼 🜐 🕬 4:19 PM 📮
```

Kode Tampilan RadioButton



Tampilan RadioButton