Nama : Ambar Wati

NIM : 20.01.013.001

Mata Kuliah : Pemrograman Python (C)

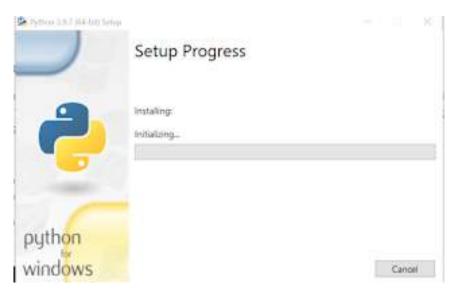
Task 3

Instalasi Python

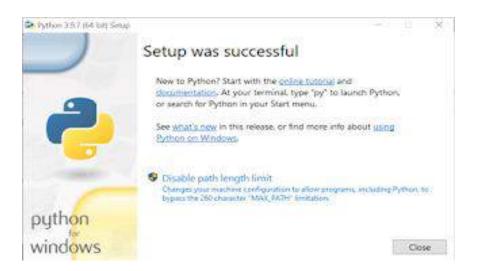
1. Pilih system python yang sesuai dengan system anda disini saya memakai python(3.9.7/64-bit)



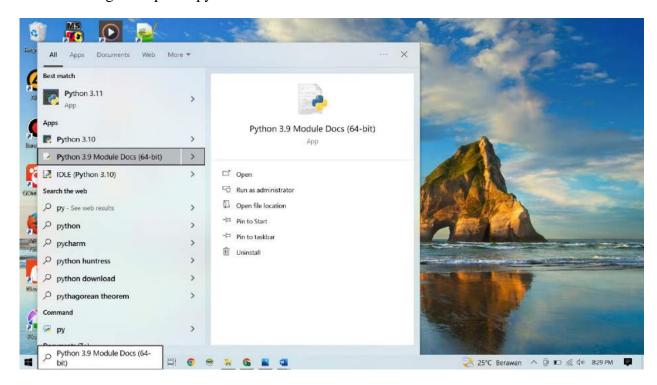
2. Tunggu hingga proses instalasi selesai



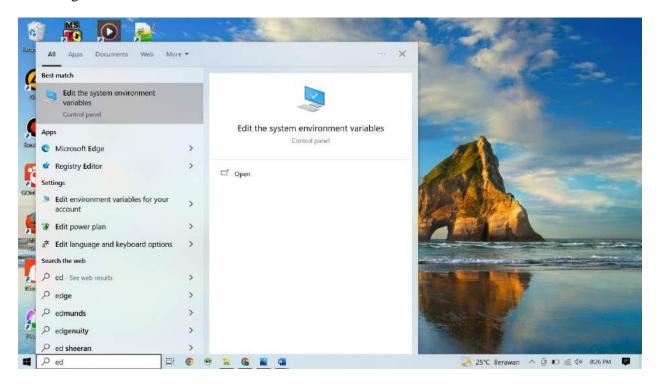
3. Setelah sukse klik Close.



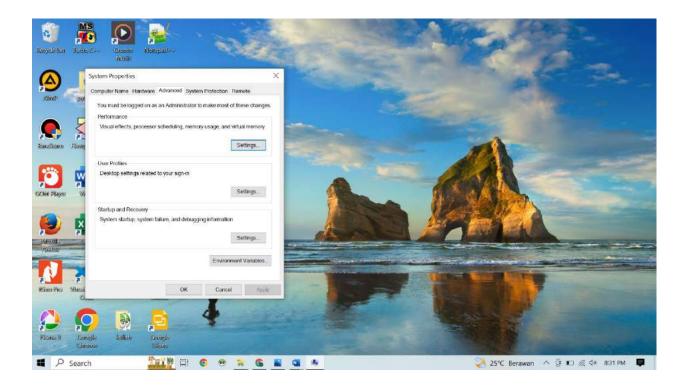
4. Kita bisa mengecek apakah python sudah terinstal atau belom.



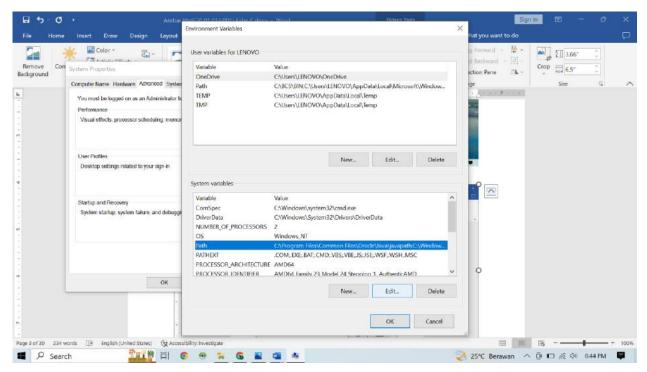
5. Selanjutnya buka sistem **enviroment variabel** untuk mensetting **path.**bisa di cek di menu searching.



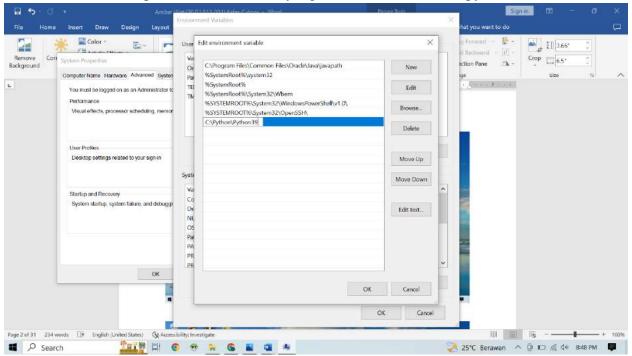
6. Setelah muncul kotak dialog klik **enviroment variabels** seperti gambar di bawah ini.



7. Pada bagian system variables path klik edit.



8. Klik tombol new lalu paste alamat directori yang telah di buat atau di copy



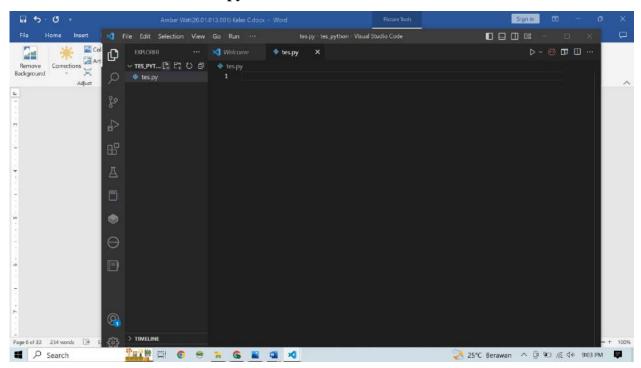
9. Lalu buka vs code pilih menu **extension** lalu searching python kemudian di install.



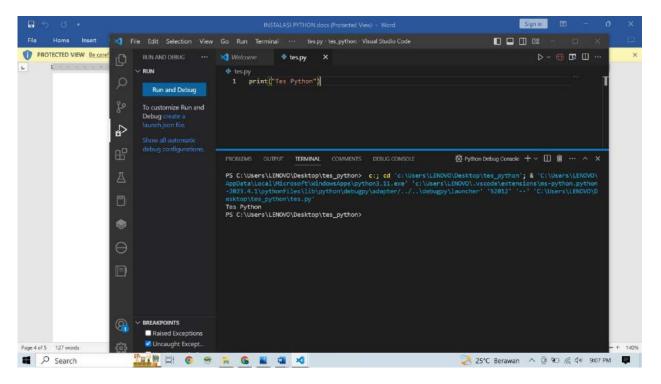
10. Lalu buat folder pada dekstop yang anda mau



11. Pada new file lalu buat folder tes.pyhton



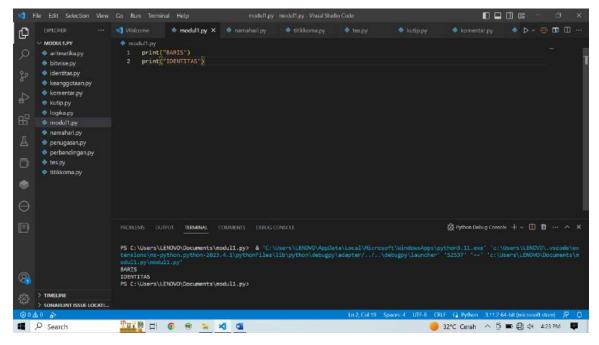
12. lalu run and Debug project seperti pada gambar di bawah ini



Python - Modul 1

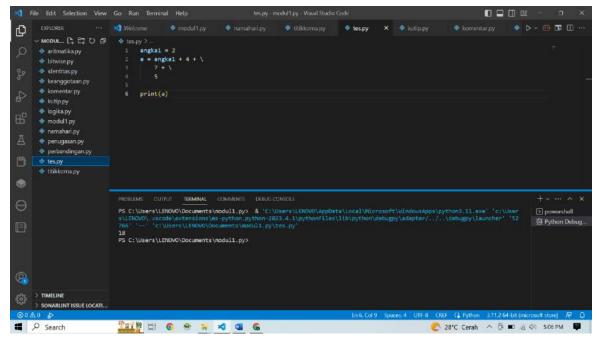
1. Baris dan identitas

Blok kode pada python mengunakan tanda identitas (spasi).



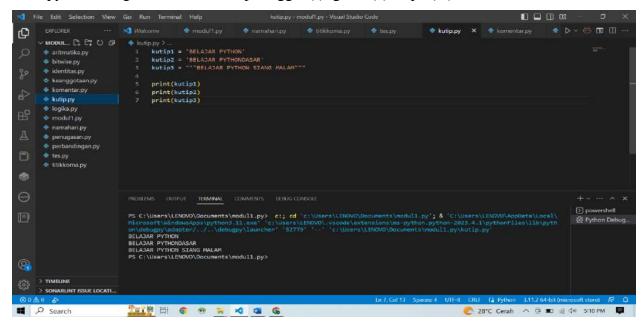
2. Pernyataan Multibaris

Pada Python sebuat statement pada akhir dari baris baris menggunakan tanda (/)



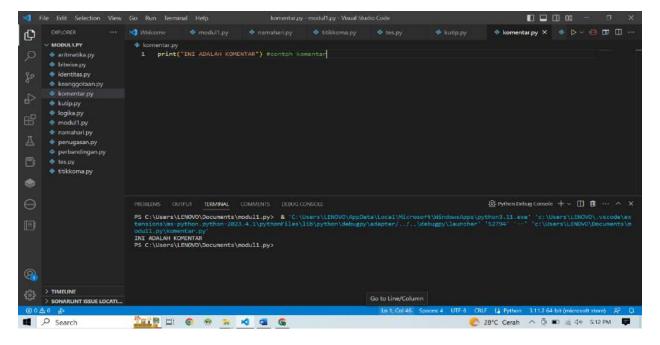
3. Tanda Kutip

Pada python mengunakan tanda kutip tunggal ('), ganda("), triple("')



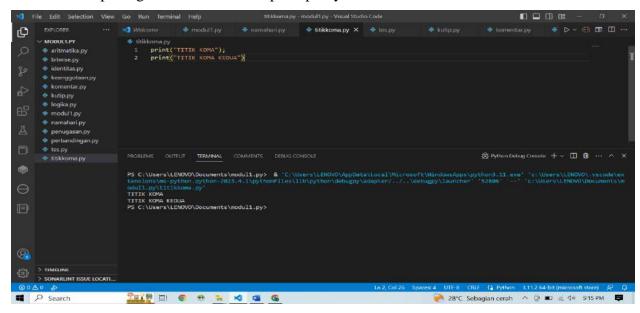
4. Komentar

Tanda pagar (#) digunakan untuk menandai komentar python, komentar berguna untuk memudahkan memahami maksud dari kode



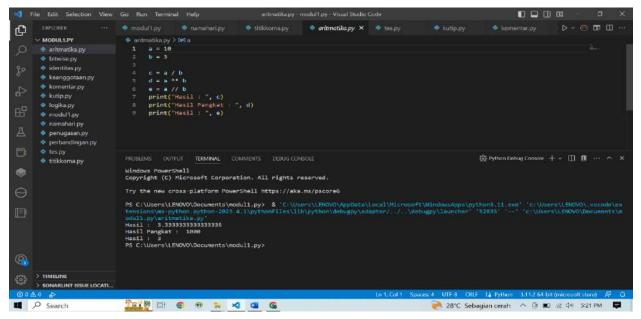
5. Dua pernyataan dalam satu baris

Titik koma dapat digunakan ketika terdapat 2 pernyataan dalam1 baris kode



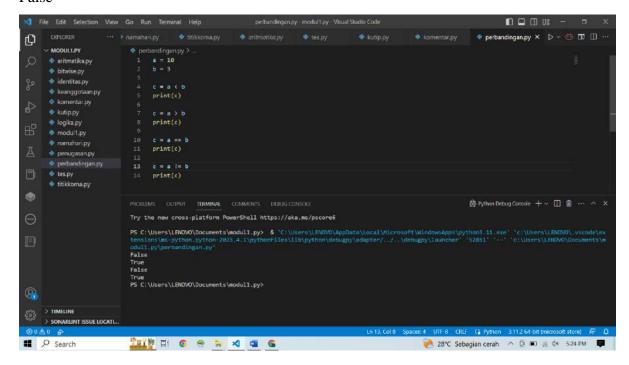
6. Operator Aritmatika

Operator Aritmatika digunakan untukmelakukan operasi matematika seperti penjumlahan, pengurangan, perkalian, pembagian, da lian – lain.



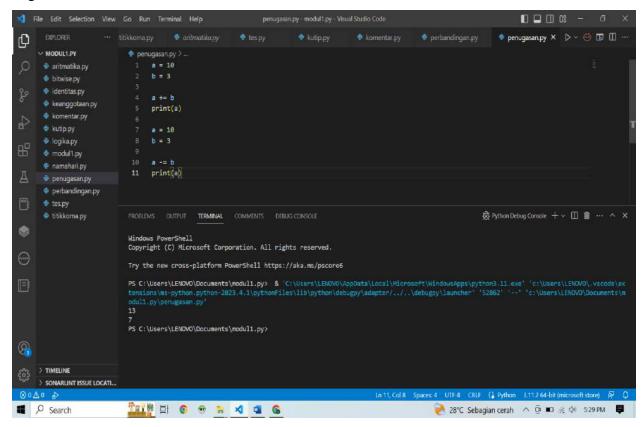
7. Operator Perbandingan

Digunakan untuk membandingkan 2 buah nilai. Hasil dari perbandingan yaitu True atau False



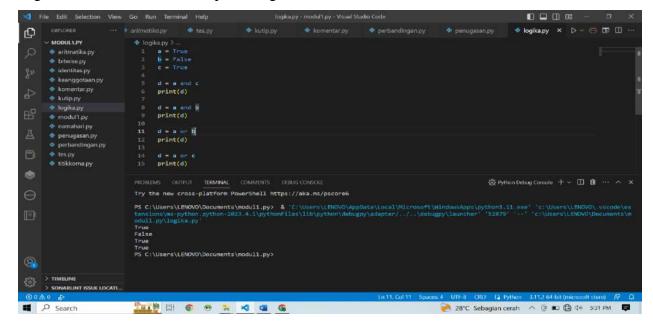
8. Operator Penugasan

Digunakan untuk memberi nilai ke variable.



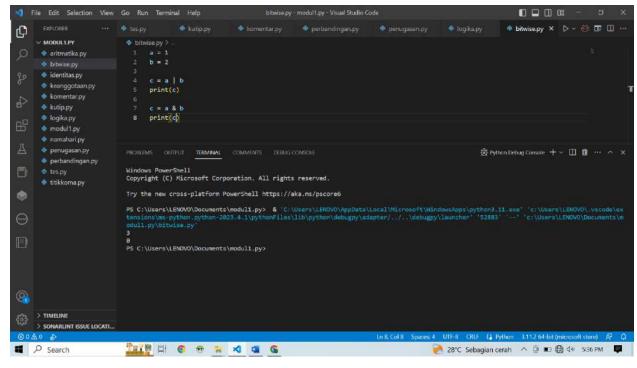
9. Operator Logika

Digunakan untuk melakukan operasi logika.



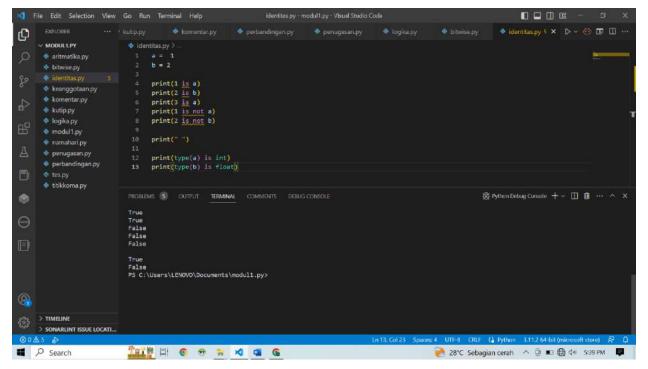
10. Operator Bitwise

Operator yang melakukan operasi bit terhadap operand.



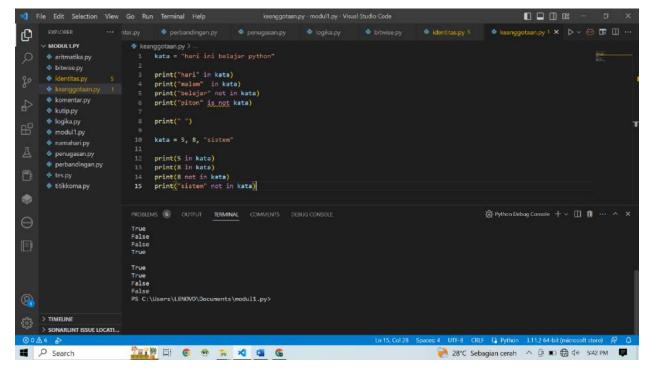
11. Operator Identitas

Operator yang memeriksa apakah dua buah nilai (atau variable) berada pada lokasi memori yang sama.



12. Operator Keanggotaan

Digunakan untuk memeriksa apakah suatu nilai atau variable merupakan anggota atau ditemukan di dalam suatu data (string, list, tuple, set, dan dictionary)



Python - Modul 2

1. Output

```
Output.py - Python.Modul 2 - Visual Studio Code
                                                                                                                                                                                                                    Output.py X 🔅 Input.py
 0

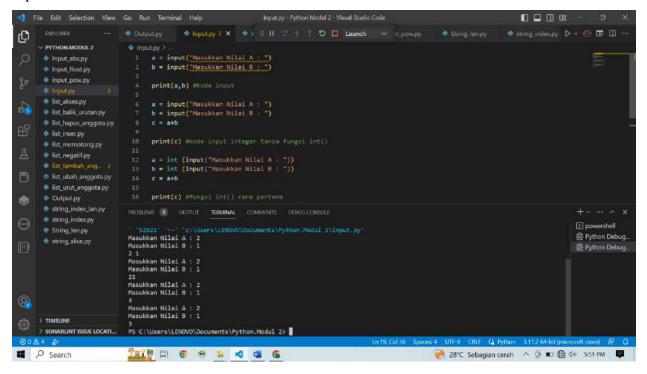
✓ PYTHON.MODUL 2.

                                              Output.py
                                                1 print(1, 3, 5, 7)
2 # Outputnya: 1 3 5 7
                                                 4 print(1,2,3,4, sep='*')
5 # Outputeus
                                                 7 print(1,2,3,4, sep='#', end='&')
8 # Outputnya : 1#2#3#48
                                              PROBLEMS 2. OUTPUT TERMINAL COMMENTS DEBUG CONSOLE
           fist_urut_anggota.py
                                              PS C:\Users\LENOVO\Documents\Python.Modul 2> c:; cd 'c:\Users\LENOVO\Documents\Python.Modul 2'; & 'C:\Users\LENOVO\AopD
ata\Local\Microsoft\MindowsApps\python3.11.exe' 'c:\Users\LENOVO\, vscode\extensions\ma-python.python-2823.4.1\pythonfile
s\lib\python\debugpy\adapter/../.\debugpy\launcher' '52912' '--' 'c:\Users\LENOVO\Documents\Python.Modul 2\Qutput.py'
13 5 7
112*3*4
PS C:\Users\LENOVO\Documents\Python.Modul 2> []

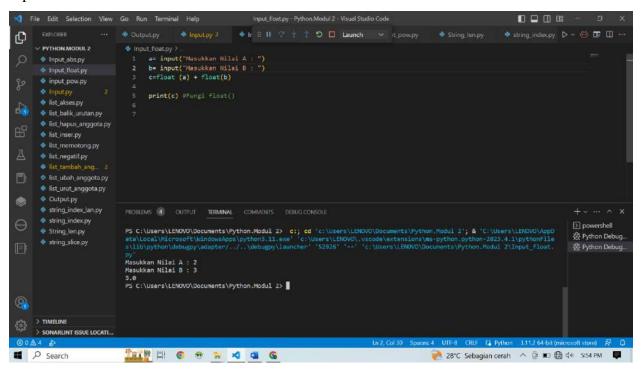
    Output.py
    string_index_lan.py

           String_len.py
            string slice py
         > TIMELINE
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                                                                                                                                                      Ln 8, Col 23 Spaces: 4 UTF-8 CRLF () Python 3.11.2 64-bit (microsoft store) R
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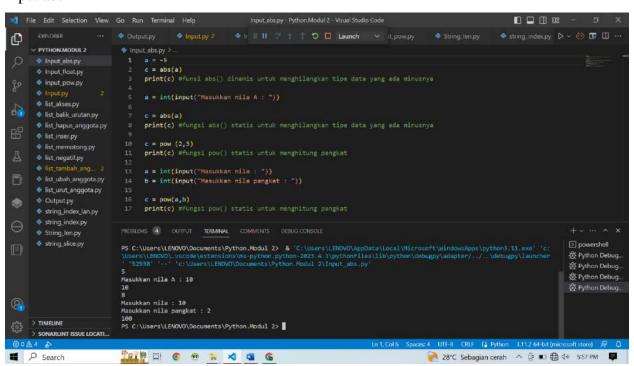
2. Input



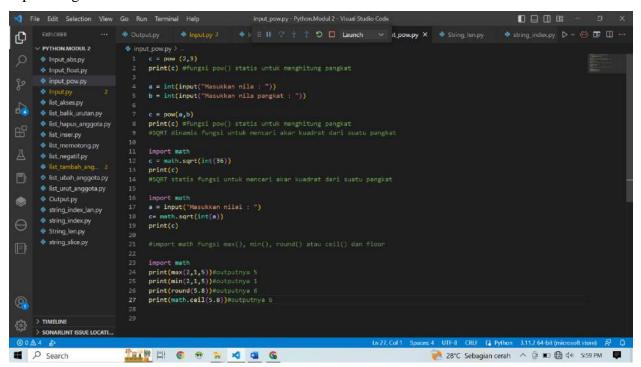
3. Input Float



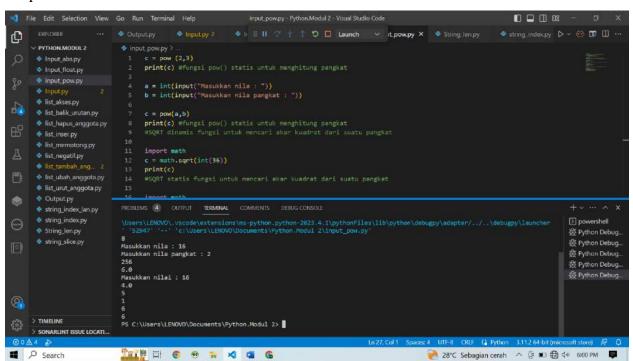
4. Input abs



5. Input Fungsi Pow

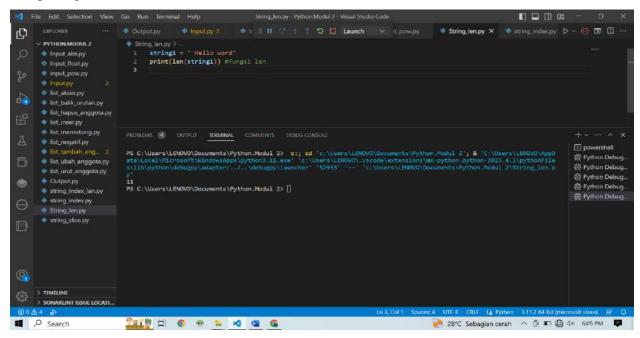


Output:

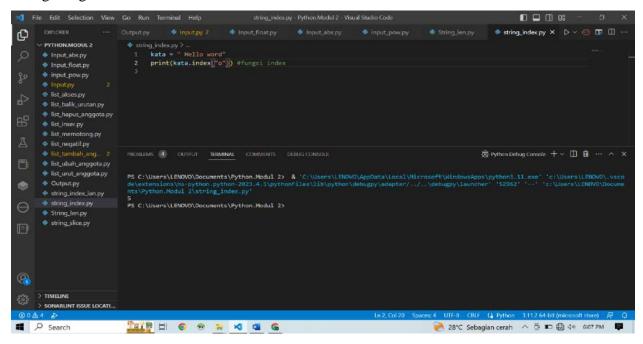


6. Operator String

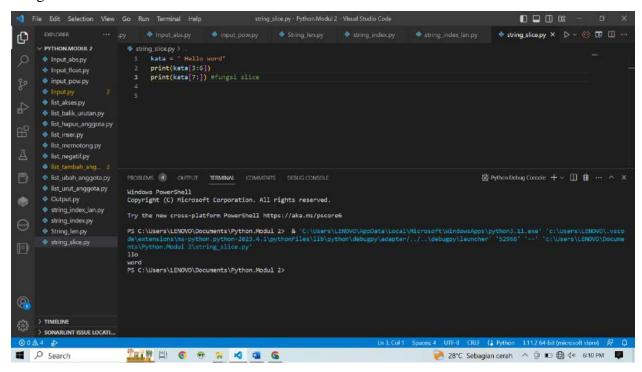
a. Strng Fungsi Len



b. String Fungsi Index

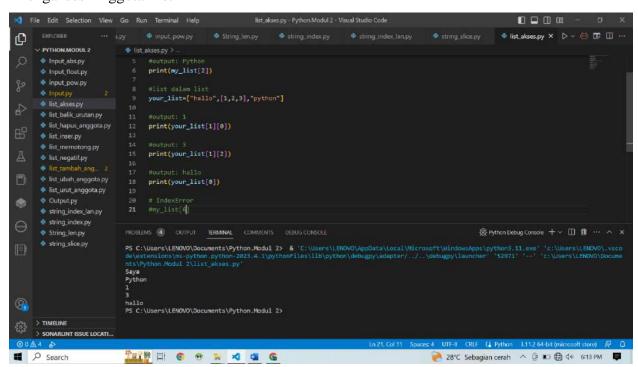


c. Range Slice

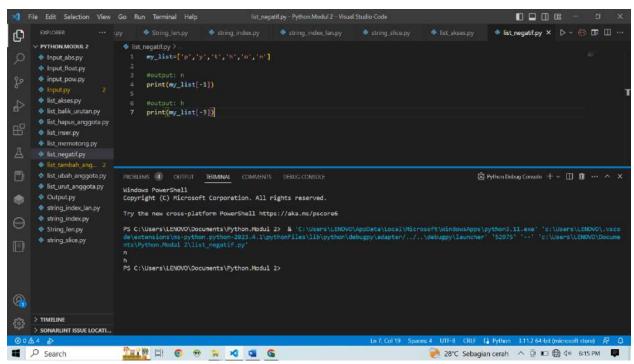


7. List

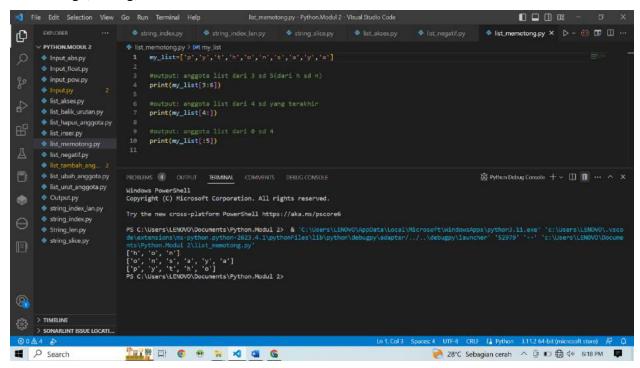
a. Mengakses Anggota List



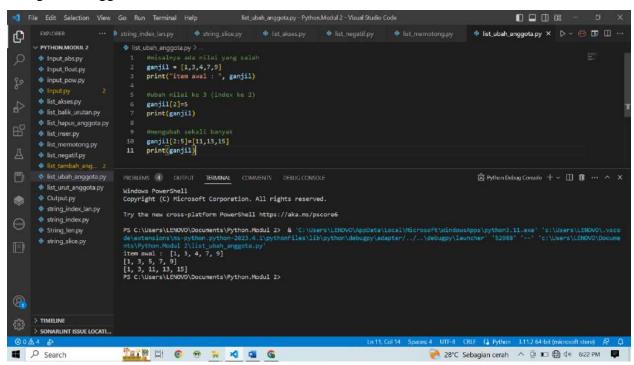
b. List dengan Indeks Negatif



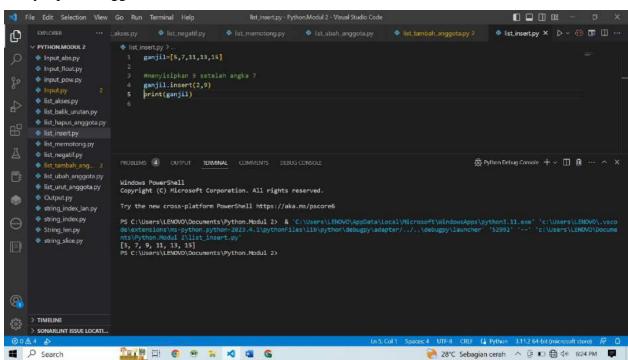
c. Memotong (Slicing) List



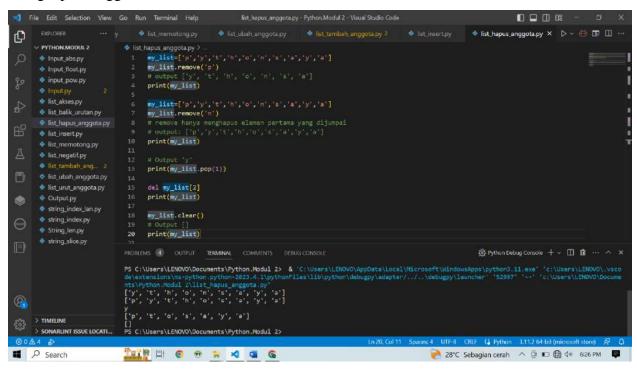
d. Mengubah Anggota List



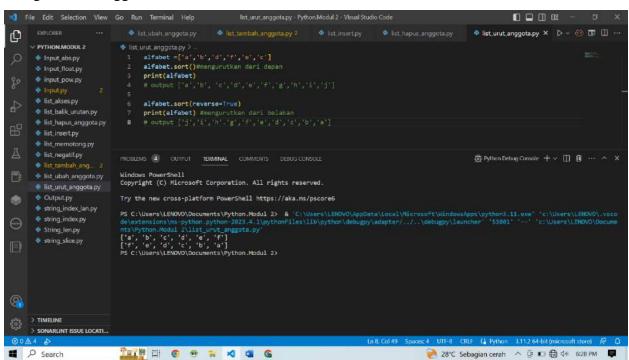
e. Menyisipkan Anggota List



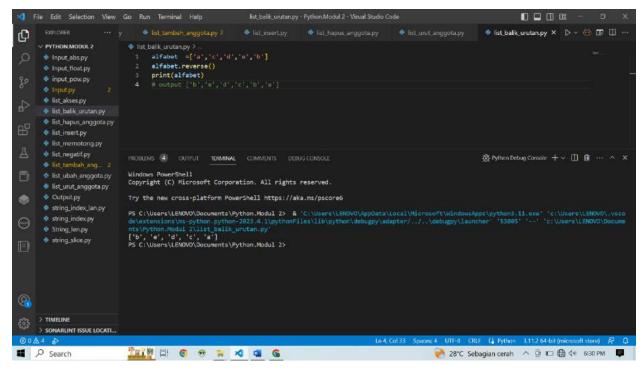
f. Menghapus Anggota List



g. Mengurutkan Anggota List

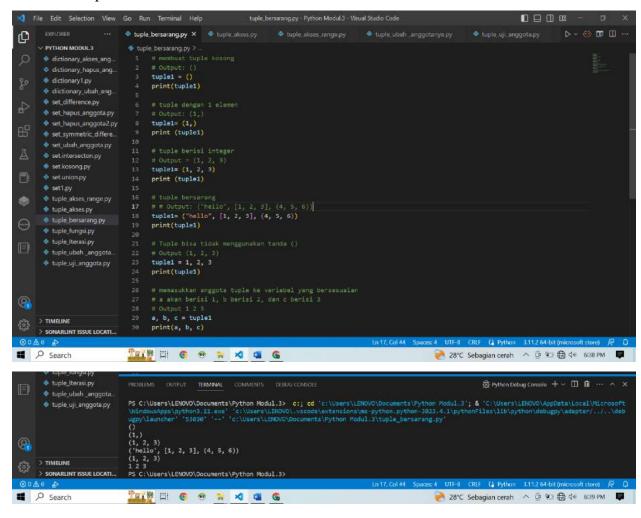


h. Membalik Anggota List

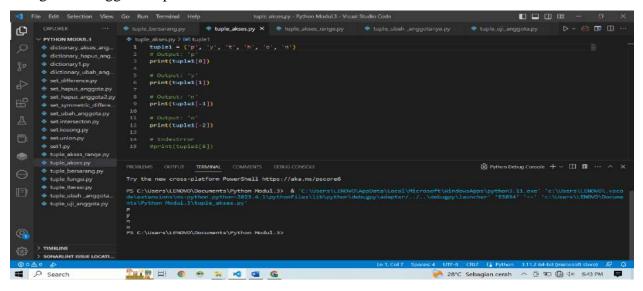


Python – Modul 3

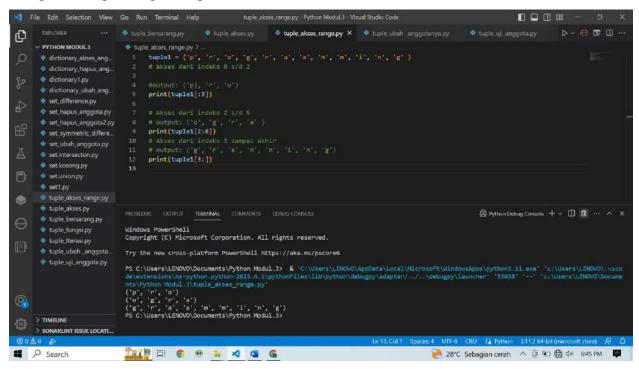
1. Membuat Tuple



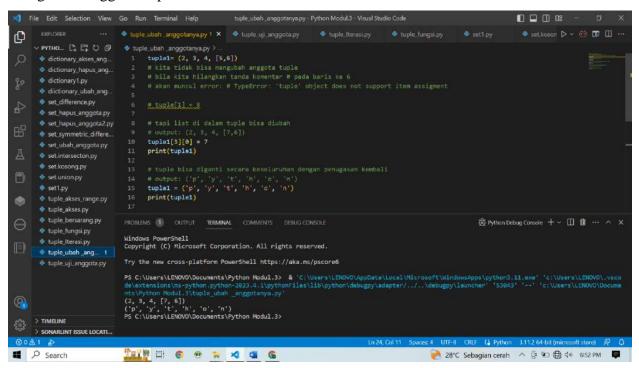
2. Mengakses Anggota Tuple



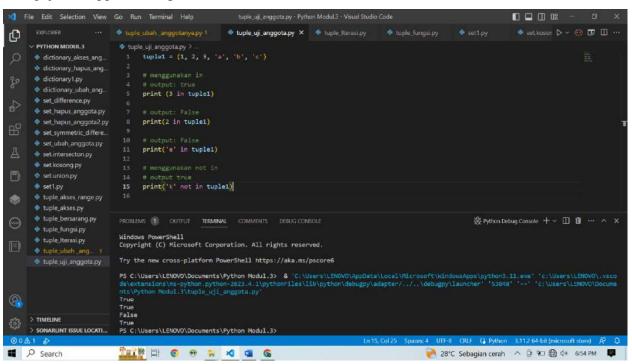
a. Mengakses Tuple dengan range



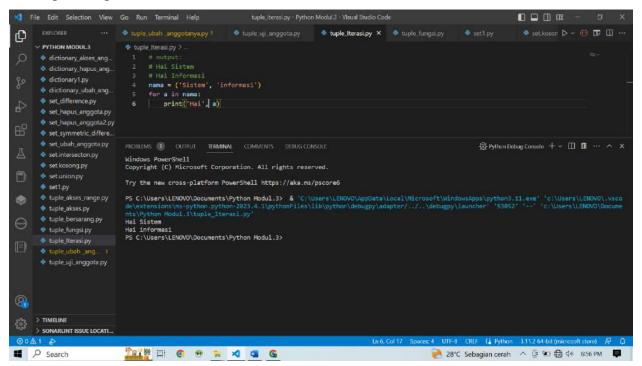
3. Mengubah Anggota Tuple



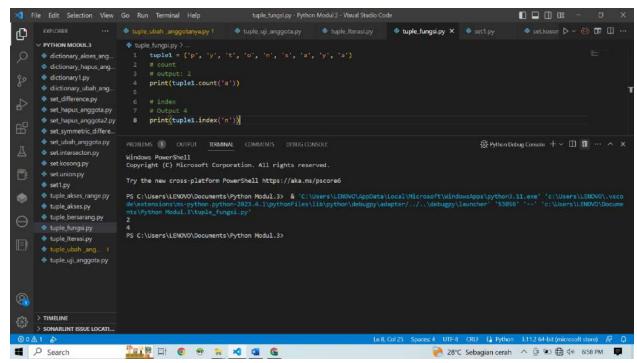
4. Menguji Keanggotaan Tuple



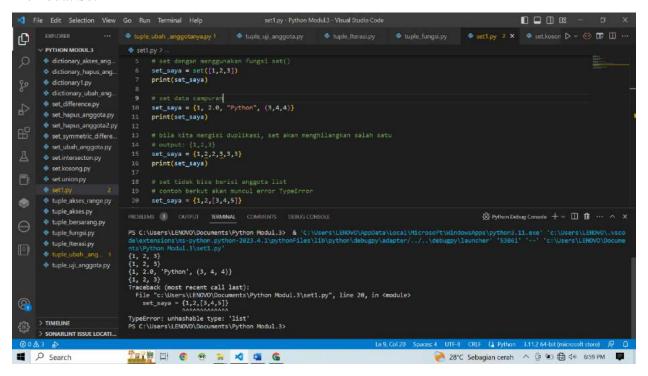
5. Iterasi pada Tuple



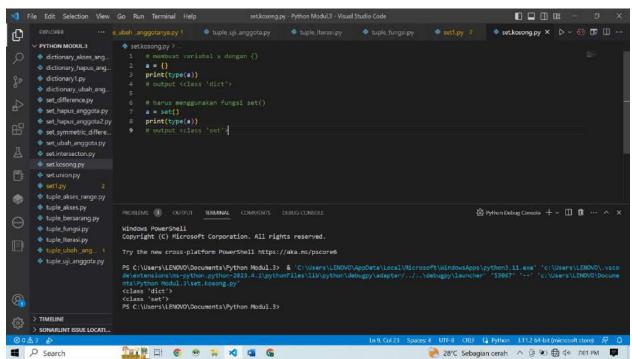
6. Metode dan Fungsi Bawaan Tuple



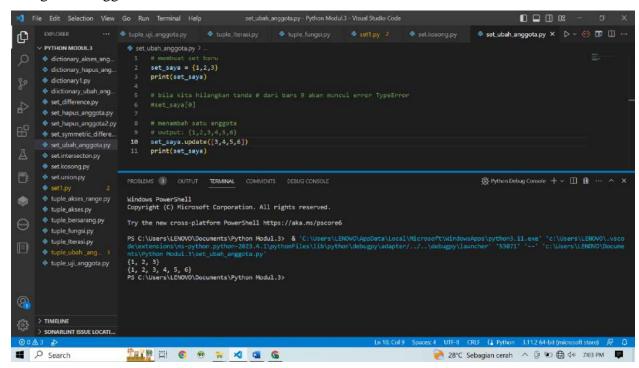
7. Membuat Set



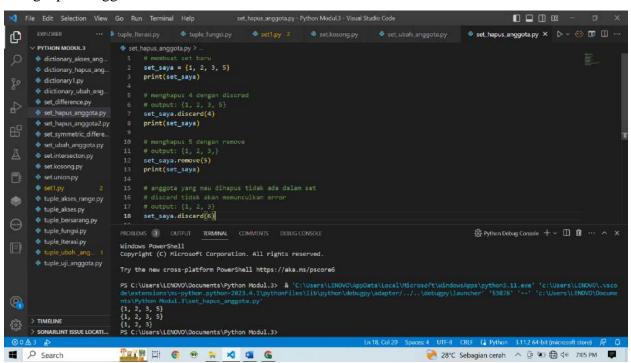
a. Set Kosong



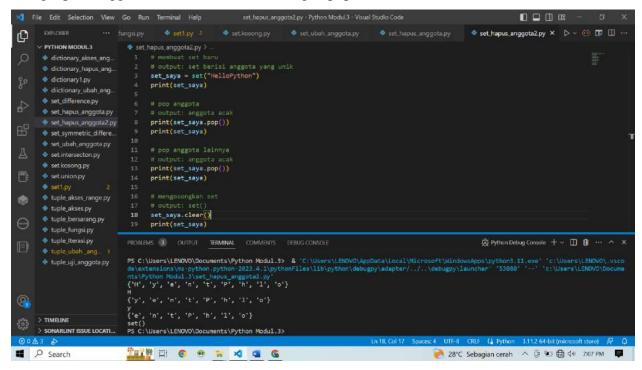
8. Mengubah Anggota Set



9. Menghapus Anggota Set

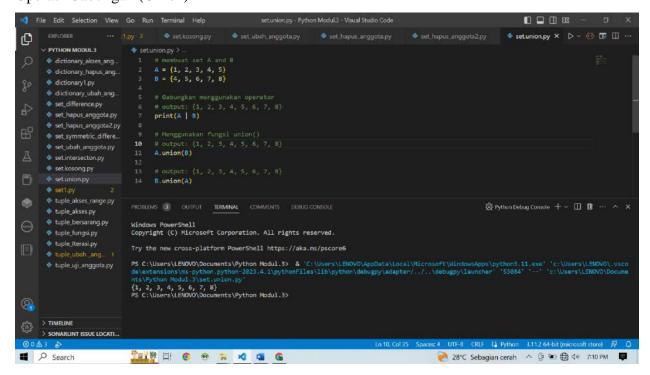


a. Menghapus Anggota Set Secara Random dengan pop()

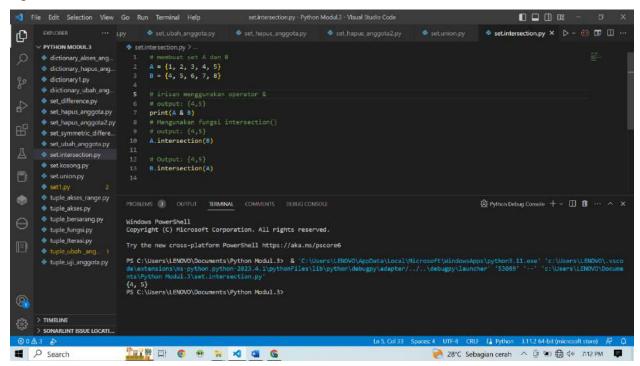


10. Operasi Set di Python

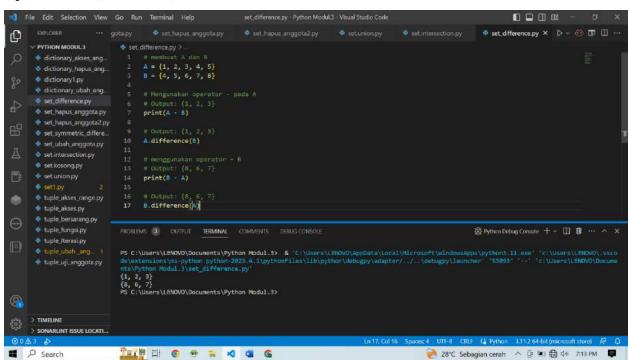
a. Operasi Gabungan (Union)



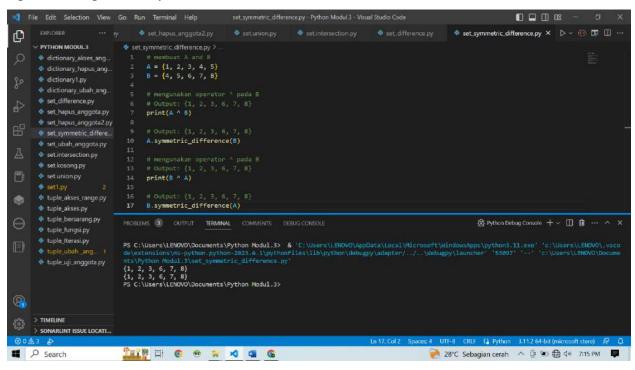
b. Operator Irisan (Intersection)



c. Operasi Selisi (Difference)

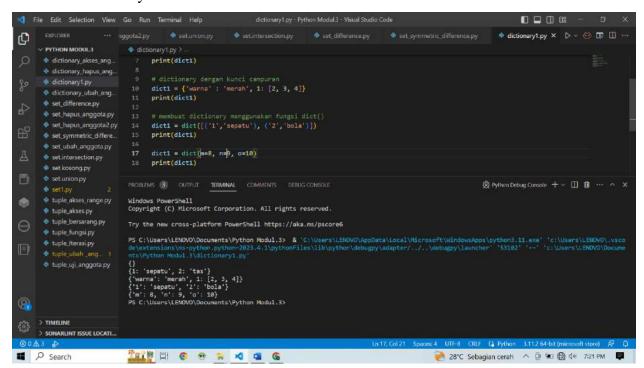


d. Operasi Komplemen (Symmetric Difference)

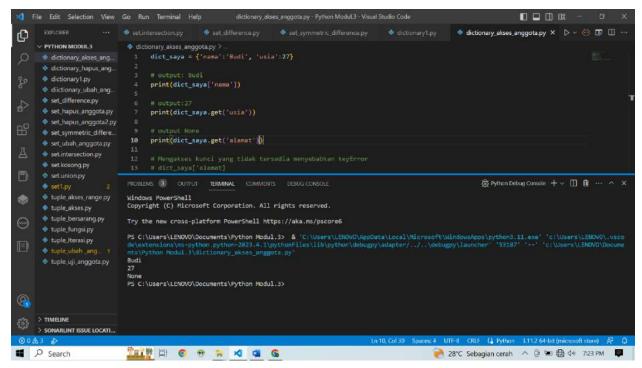


11. Dictionary

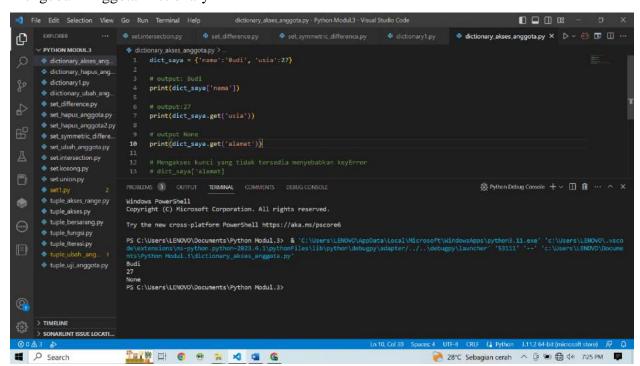
a. Membuat Dictionary



b. Mengakses Anggota Dictionary



c. Mengubah Anggota Dictionary



d. Menghapus Anggota Dictionary

