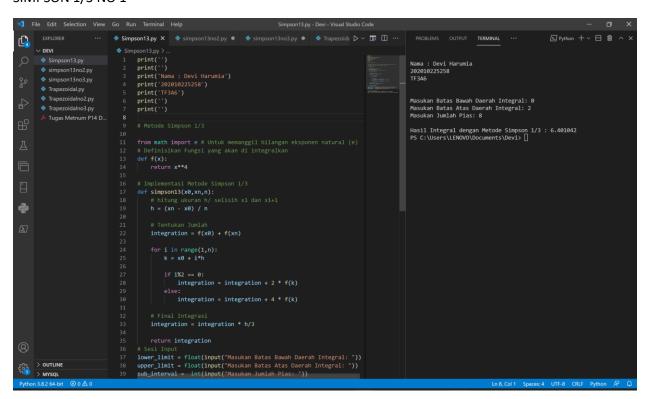
Devi Harumia

202010225258

TF3A6

HASIL RUN

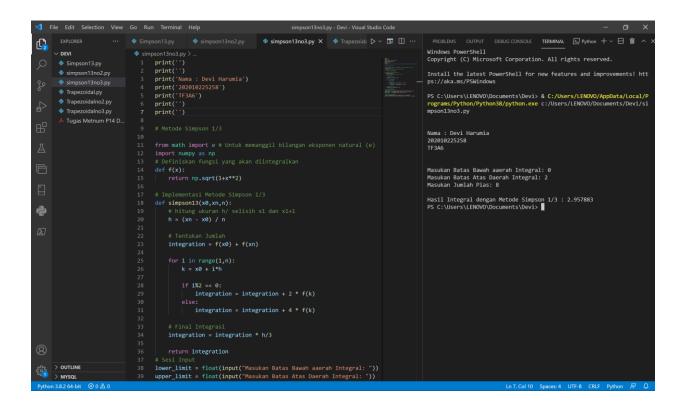
SIMPSON 1/3 NO 1



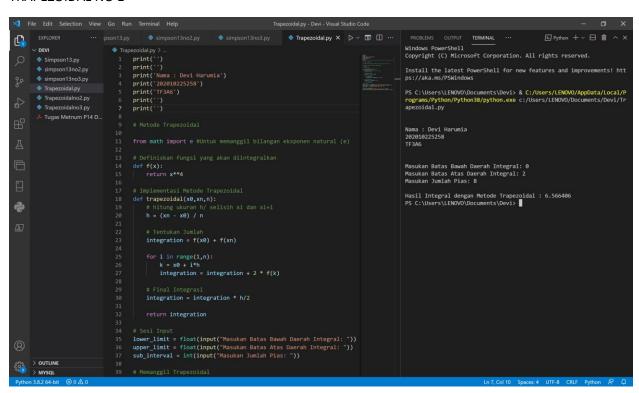
SIMPSON 1/3 NO 2

```
da.
                                                    simpson13no2.py > ...
1 print('')
2 print('')
                                                                                                                                                                                                                    Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
                                                                                                                                                                                                                    Install the latest PowerShell for new features and improvements! htt ps://aka.ms/PSWindows
                                                              print('Nama : Devi Harumia')
print('202010225258')
print('TF3A6')
         simpson13no3.pyTrapezoidal.py
                                                                                                                                                                                                                    PS C:\Users\LENOVO\Documents\Devi> & C:\Users\LENOVO\AppData\Local/P rograms/Python/Python38/python.exe c:\Users\LENOVO\Documents\Devi\simpsonl3no2.py
                                                               print('')
print('')
         Trapezoidalno3.py
Tugas Metnum P14 D...
                                                     from math import e # Untuk memanggil bilangan eksponen natural (e)
import numpy as np
Befinisikan Fungsi yang akan di intono.
                                                                                                                                                                                                                    Nama : Devi Harumia
202010225258
TF3A6
                                                                                                                                                                                                                    Masukan Batas Bawah aaerah Integral: 0
Masukan Batas Atas Daerah Integral: 2
Masukan Jumlah Pias: 8
                                                              # Implementasi Metode Simpson 1/3
def simpson13(x0,xn,n):
    # hitung ukuran h/ selisih x1 dan x1+1
    h = (xn - x0) / n
                                                                                                                                                                                                                    Hasil Integral dengan Metode Simpson 1/3 : 1.416178 PS C:\Users\LENOVO\Documents\Devi>
e
                                                                      # Tentukan Jumlah
integration = f(x0) + f(xn)
                                                                     for i in range(1,n):
k = x0 + i*h
                                                                         if i%2 == 0:
  integration = integration + 2 * f(k)
                                                                     # Final Integrasi
integration = integration * h/3
                                                              return integration
# Sesi Input
lower_limit = float(input("Masukan Batas Bawah aaerah Integral: "))
upper_limit = float(input("Masukan Batas Atas Daerah Integral: "))
> OUTLINE
```

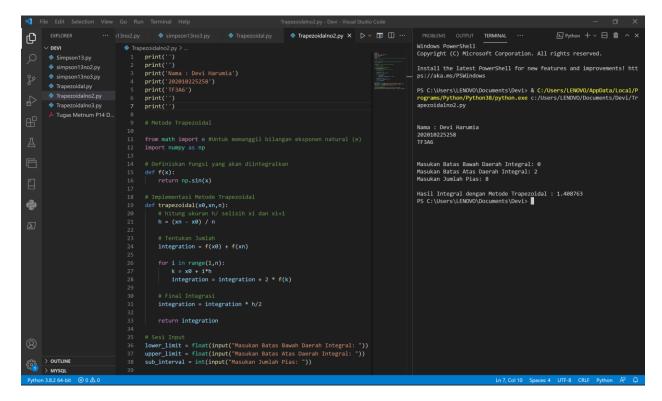
SIMPSON 1/3 NO 3



TRAPEZOIDAL NO 1



TRAPEZOIDAL NO 2



TRAPEZOIDAL NO 3

