

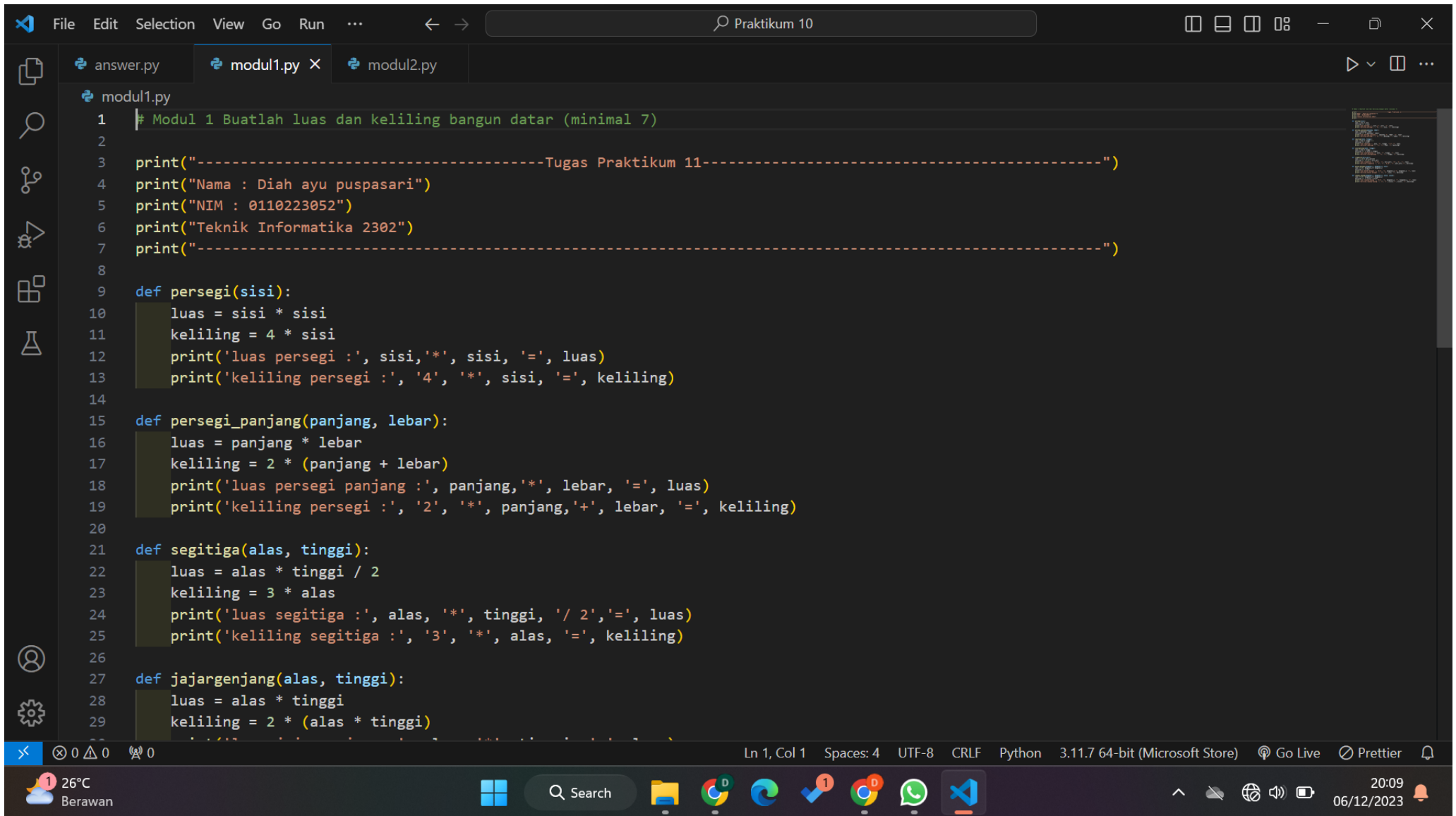
Tugas Praktikum

Pekan 10

Dasar-dasar Pemrograman

Nama : Diah Ayu Puspasari
NIM : 0110223052
Rombel : Teknik Informatika 2302









1. Modul 1 Luas dan keliling bangun datar



```
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modul1.py modul1.py X modul2.py
modul1.py
1 # Modul 1 Buatlah luas dan keliling bangun datar (minimal 7)
2
3 print("-----Tugas Praktikum 11-----")
4 print("Nama : Diah ayu puspasari")
5 print("NIM : 0110223052")
6 print("Teknik Informatika 2302")
7 print("-----")
8
9 def persegi(sisi):
10     luas = sisi * sisi
11     keliling = 4 * sisi
12     print('luas persegi :', sisi, '*', sisi, '=', luas)
13     print('keliling persegi :', '4', '*', sisi, '=', keliling)
14
15 def persegi_panjang(panjang, lebar):
16     luas = panjang * lebar
17     keliling = 2 * (panjang + lebar)
18     print('luas persegi panjang :', panjang, '*', lebar, '=', luas)
19     print('keliling persegi :', '2', '*', panjang, '+', lebar, '=', keliling)
20
21 def segitiga(alas, tinggi):
22     luas = alas * tinggi / 2
23     keliling = 3 * alas
24     print('luas segitiga :', alas, '*', tinggi, '/ 2', '=', luas)
25     print('keliling segitiga :', '3', '*', alas, '=', keliling)
26
27 def jajargenjang(alas, tinggi):
28     luas = alas * tinggi
29     keliling = 2 * (alas + tinggi)
```

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Praktikum 10

answer.py modul1.py X modul2.py


modul1.py


```
26
27 def jajargenjang(alas, tinggi):
28     luas = alas * tinggi
29     keliling = 2 * (alas * tinggi)
30     print('luas jajargenjang :', alas, '*', tinggi, '=', luas)
31     print('keliling jajargenjang :', '2', '*', tinggi, '=', keliling)
32
33 def lingkaran(jari_jari):
34     luas = 3,14 * jari_jari**2
35     keliling = 2 * 3,14 * jari_jari
36     print('luas lingkaran :', '3,14', '*', jari_jari, '***', '2', '=', luas)
37     print('keliling lingkaran :', '2', '*', '3,14', '*', jari_jari, '=', keliling)
38
39 def belah_ketupat(diagonal_1, diagonal_2, sisi):
40     luas = 0.5 * diagonal_1 * diagonal_2
41     keliling = 4 * sisi
42     print('luas belah ketupat :', '0.5', '*', diagonal_1, '*', diagonal_2, '=', luas)
43     print('keliling belah ketupat :', '4', '*', sisi, '=', keliling)
44
45 def layang_layang(diagonal_1, diagonal_2, sisi1, sisi2):
46     luas = 0.5 * diagonal_1 * diagonal_2
47     keliling = 2 * (sisi1 + sisi2)
48     print('luas layang-layang :', '0.5', '*', diagonal_1, '*', diagonal_2, '=', luas)
49     print('keliling layang-layang :', '2', '*', (sisi1, '+', sisi2), '=', keliling)
```

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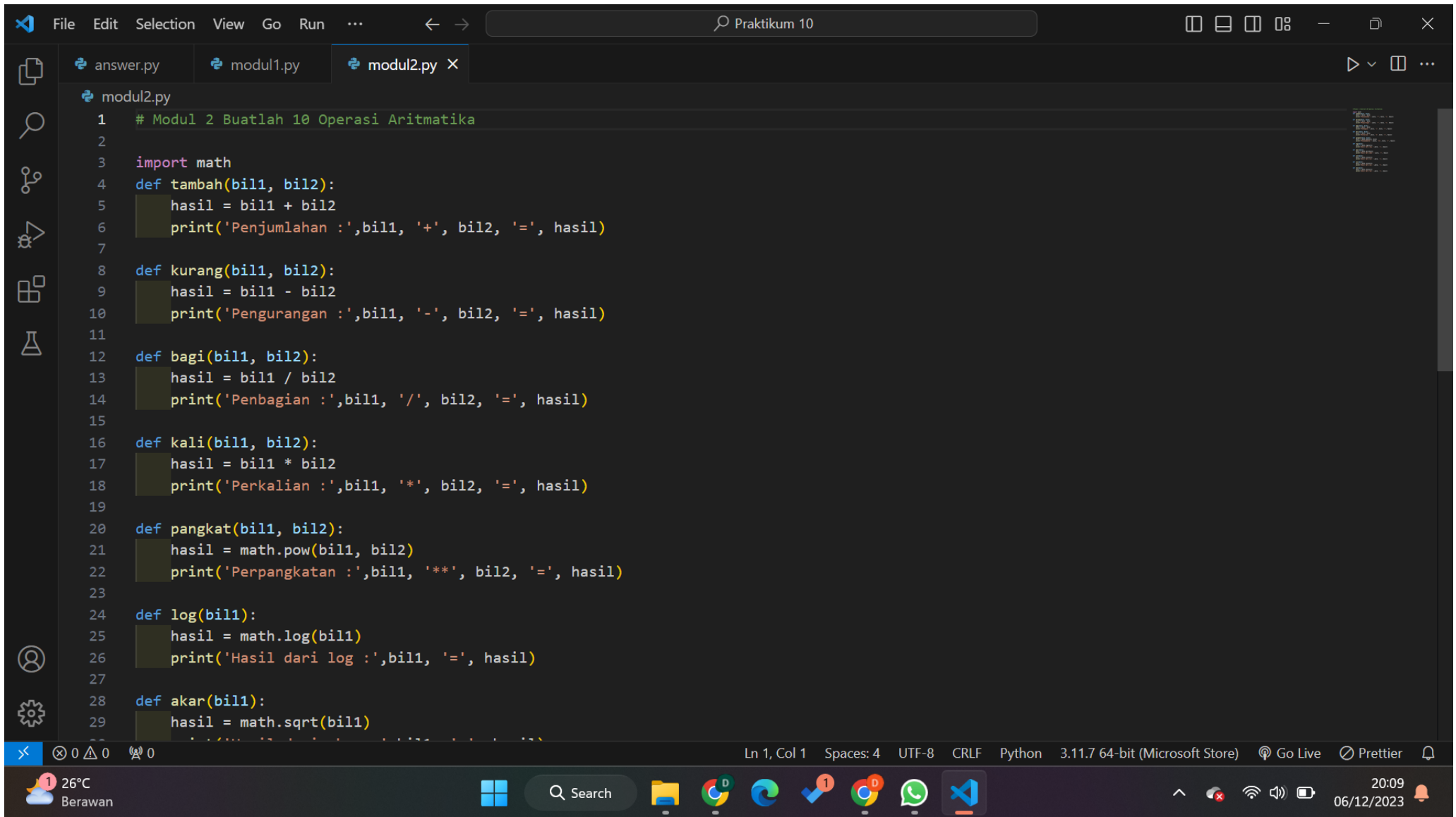
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2. Modul 2 10 Operasi aritmatika



The image shows a screenshot of a Visual Studio Code editor window. The title bar at the top reads "Praktikum 10". The editor has three tabs open: "answer.py", "modul1.py", and "modul2.py". The "modul2.py" tab is active, displaying a Python script with 29 lines of code. The code defines ten functions for arithmetic operations: addition, subtraction, division, multiplication, power, logarithm, and square root. Each function takes one or two arguments and prints the result with a descriptive label. The script is titled "# Modul 2 Buatlah 10 Operasi Aritmatika". The bottom status bar shows "Ln 1, Col 1", "Spaces: 4", "UTF-8", "CRLF", "Python", "3.11.7 64-bit (Microsoft Store)", "Go Live", "Prettier", and a bell icon. The Windows taskbar at the bottom shows the system clock as 20:09 on 06/12/2023, along with weather information (26°C, Berawan) and various application icons.

```
1 # Modul 2 Buatlah 10 Operasi Aritmatika
2
3 import math
4 def tambah(bil1, bil2):
5     hasil = bil1 + bil2
6     print('Penjumlahan :',bil1, '+', bil2, '=', hasil)
7
8 def kurang(bil1, bil2):
9     hasil = bil1 - bil2
10    print('Pengurangan :',bil1, '-', bil2, '=', hasil)
11
12 def bagi(bil1, bil2):
13     hasil = bil1 / bil2
14     print('Penbagian :',bil1, '/', bil2, '=', hasil)
15
16 def kali(bil1, bil2):
17     hasil = bil1 * bil2
18     print('Perkalian :',bil1, '*', bil2, '=', hasil)
19
20 def pangkat(bil1, bil2):
21     hasil = math.pow(bil1, bil2)
22     print('Perpangkatan :',bil1, '**', bil2, '=', hasil)
23
24 def log(bil1):
25     hasil = math.log(bil1)
26     print('Hasil dari log :',bil1, '=', hasil)
27
28 def akar(bil1):
29     hasil = math.sqrt(bil1)
```

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Praktikum 10

—

answer.py modul1.py modul2.py X

modul2.py

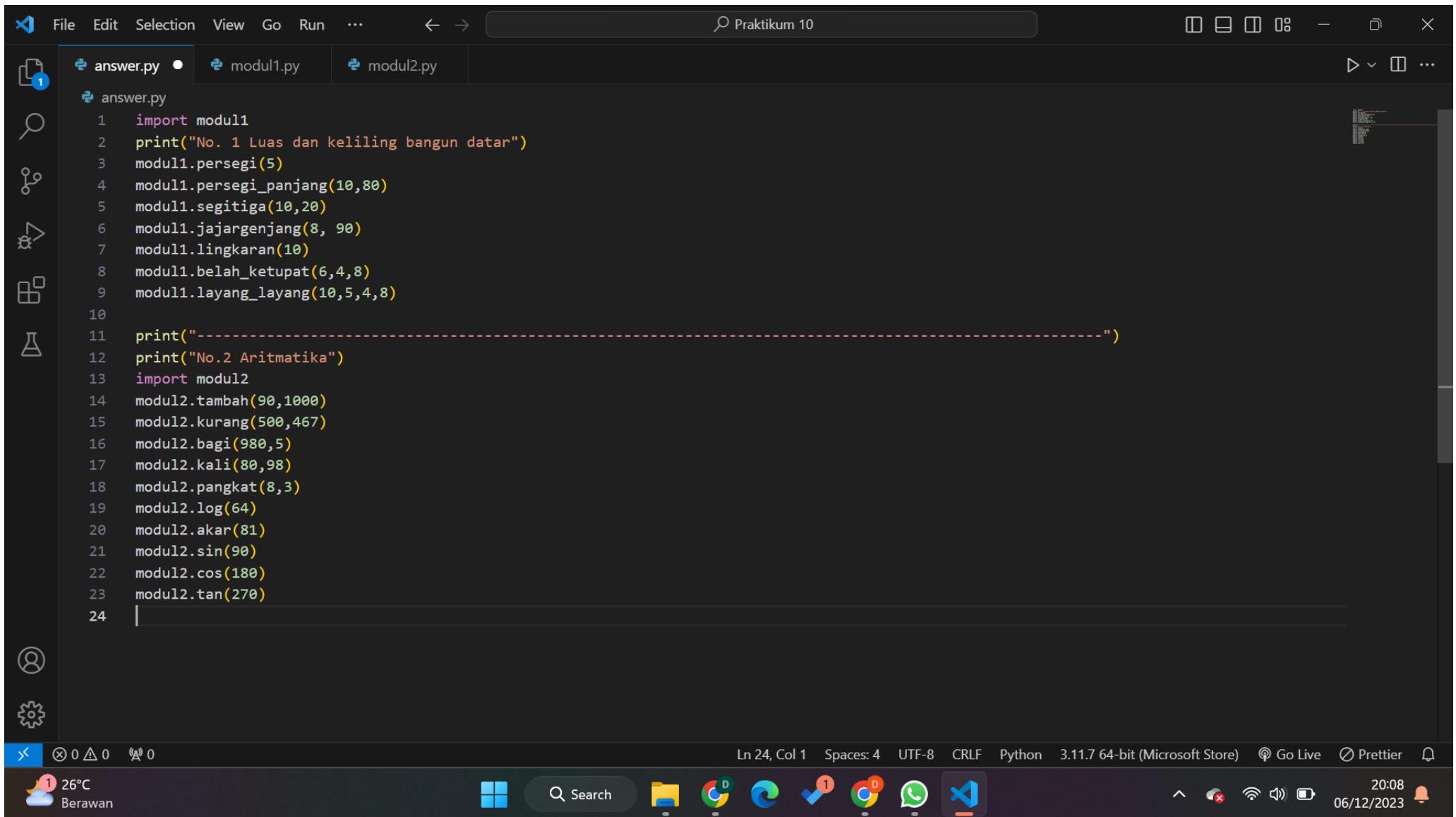
```
28 def akar(bil1):
29     hasil = math.sqrt(bil1)
30     print('Hasil dari akar :',bil1, '=', hasil)
31
32 def sin(bil1):
33     hasil = math.sin(bil1)
34     print('Hasil dari sin :',bil1, '=', hasil)
35
36 def cos(bil1):
37     hasil = math.cos(bil1)
38     print('Hasil dari cos :',bil1, '=', hasil)
39
40 def tan(bil1):
41     hasil = math.tan(bil1)
42     print('Hasil dari tan :',bil1, '=', hasil)
```

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3. Pemanggilan modul



```
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answer.py modul1.py modul2.py
answer.py
1 import modul1
2 print("No. 1 Luas dan keliling bangun datar")
3 modul1.persegi(5)
4 modul1.persegi_panjang(10,80)
5 modul1.segitiga(10,20)
6 modul1.jajargenjang(8, 90)
7 modul1.lingkaran(10)
8 modul1.belah_ketupat(6,4,8)
9 modul1.layang_layang(10,5,4,8)
10
11 print("-----")
12 print("No.2 Aritmatika")
13 import modul2
14 modul2.tambah(90,1000)
15 modul2.kurang(500,467)
16 modul2.bagi(980,5)
17 modul2.kali(80,98)
18 modul2.pangkat(8,3)
19 modul2.log(64)
20 modul2.akar(81)
21 modul2.sin(90)
22 modul2.cos(180)
23 modul2.tan(270)
24
```

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Praktikum 10

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

NIM : 0110223052
Teknik Informatika 2302

No. 1 Luas dan keliling bangun datar
luas persegi : $5 * 5 = 25$
keliling persegi : $4 * 5 = 20$
luas persegi panjang : $10 * 80 = 800$
keliling persegi : $2 * 10 + 80 = 180$
luas segitiga : $10 * 20 / 2 = 100.0$
keliling segitiga : $3 * 10 = 30$
luas jajargenjang : $8 * 90 = 720$
keliling jajargenjang : $2 * 90 = 1440$
luas lingkaran : $3,14 * 10 ** 2 = (3, 1400)$
keliling lingkaran : $2 * 3,14 * 10 = (6, 140)$
luas belah ketupat : $0.5 * 6 * 4 = 12.0$
keliling belah ketupat : $4 * 8 = 32$
luas layang-layang : $0.5 * 10 * 5 = 25.0$
keliling layang-layang : $2 * (4, '+', 8) = 24$

No.2 Aritmatika
Penjumlahan : $90 + 1000 = 1090$
Pengurangan : $500 - 467 = 33$
Penbagian : $980 / 5 = 196.0$
Perkalian : $80 * 98 = 7840$
Perpangkatan : $8 ** 3 = 512.0$
Hasil dari log : $64 = 4.1588830833596715$
Hasil dari akar : $81 = 9.0$
Hasil dari sin : $90 = 0.8939966636005579$
Hasil dari cos : $180 = -0.5984600690578581$
Hasil dari tan : $270 = -0.17883906379845224$
PS C:\xampp\htdocs\Folder Kuliah Diah\Collage Stuff\Dasar-Dasar Pemograman\Praktikum 10>

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