

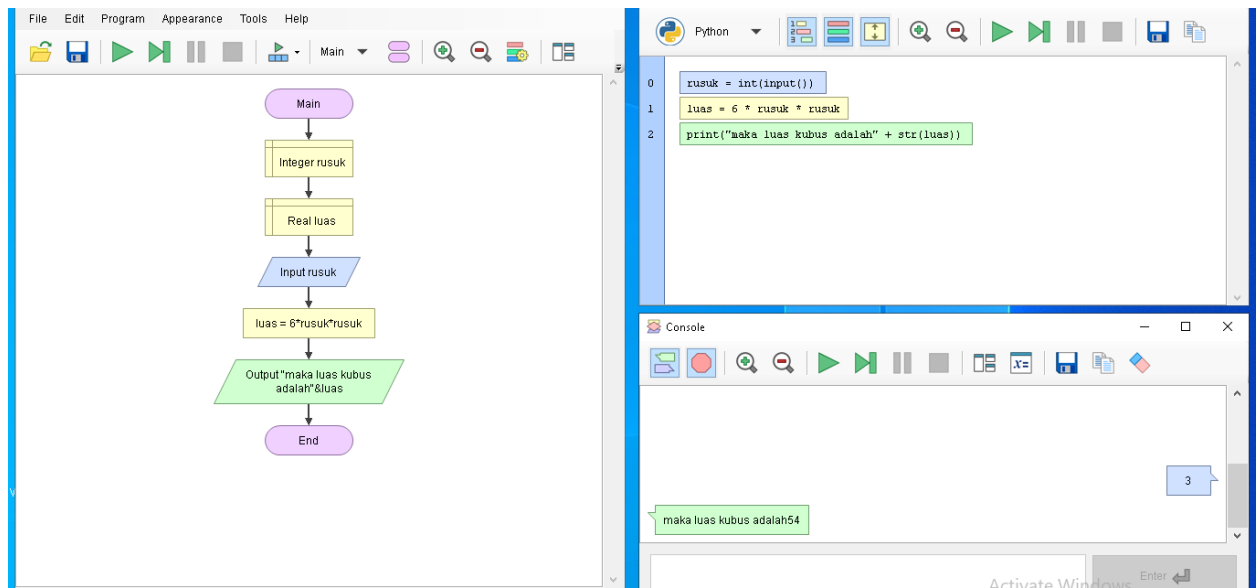
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PRODI : TEKNIK INFORMATIKA (A)

TUGAS : PRAKTIKUM 5

## 1. Kubus Luas



## 2. Luas Balok

The screenshot displays a Python IDE with a flowchart on the left and code on the right. The flowchart starts with a 'Main' terminal, followed by a process box 'Integer panjang, lebar, tinggi', then a process box 'Real luas'. It then has three input boxes: 'Input panjang', 'Input lebar', and 'Input tinggi'. This is followed by a process box with the formula  $luas = 2 * (panjang * lebar + panjang * tinggi + lebar * tinggi)$ , then an output box 'Output "maka luas balok adalah "<math>luas</math>', and finally an 'End' terminal. The code on the right implements this logic: it takes three integer inputs, calculates the surface area using the same formula, and prints the result. The console shows inputs of 6, 8, and 10, resulting in an output of 376.

```

0 panjang = int(input())
1 lebar = int(input())
2 tinggi = int(input())
3 luas = 2 * (panjang * lebar + panjang * tinggi + lebar * tinggi)
4 print("maka luas balok adalah " + str(luas))

```

Console output: 6, 8, 10, maka luas balok adalah 376

### 3. Luas limas segiempat

The screenshot displays a Python IDE with a flowchart on the left and code on the right. The flowchart starts with a 'Main' terminal, followed by a process box 'Integer LS1, LS2, LS3, LS4, LS5', then a process box 'Integer luas'. It then has five input boxes: 'Input LS1', 'Input LS2', 'Input LS3', 'Input LS4', and 'Input LS5'. This is followed by a process box with the formula  $luas = LS1 + LS2 + LS3 + LS4 + LS5$ , and finally an 'End' terminal. The code on the right implements this logic: it takes five integer inputs, calculates the surface area by summing them, and prints the result. The console shows inputs of 5, 3, and 12, resulting in an output of 38.

```

0 LS1 = int(input())
1 LS2 = int(input())
2 LS3 = int(input())
3 LS4 = int(input())
4 LS5 = int(input())
5 luas = LS1 + LS2 + LS3 + LS4 + LS5
6 print("maka luas limas segiempat adalah " + str(luas))

```

Console output: 5, 3, 12, maka luas limas segiempat adalah 38

Volume limas segiempat

The screenshot displays a Python IDE with a flowchart on the left and code on the right. The flowchart starts with a 'Main' terminal, followed by a process box 'Integer ia, t', a process box 'Real volume', two input boxes 'Input ia' and 'Input t', a process box 'volume = 1/3\*ia\*t', an output box 'Output "maka volume limas segiempat adalah"&volume', and finally an 'End' terminal. The code on the right implements this logic: it takes two integer inputs, calculates the volume as a float, and prints the result. The console shows inputs of 12 and 8, resulting in an output of 32.

```

0  ia = int(input())
1  t = int(input())
2  volume = float(1) / 3 * ia * t
3  print("maka volume limas segiempat adalah" + str(volume))

```

Console output: 12, 8, maka volume limas segiempat adalah32

## 5.luas limas segitiga

The screenshot displays a Python IDE with a flowchart on the left and code on the right. The flowchart starts with a 'Main' terminal, followed by a process box 'Integer LS1, LS2, LS3, LS4', a process box 'Real luas', four input boxes 'Input LS1', 'Input LS2', 'Input LS3', and 'Input LS4', a process box 'Luas = LS1+LS2+LS3+LS4', an output box 'Output "maka luas limas segitiga adalah"&luas', and finally an 'End' terminal. The code on the right implements this logic: it takes four integer inputs, calculates the total area as a float, and prints the result. The console shows inputs of 6, 8, and 6, resulting in an output of 20.

```

0  LS1 = int(input())
1  LS2 = int(input())
2  LS3 = int(input())
3  LS4 = int(input())
4  luas = LS1 + LS2 + LS3 + LS4
5  print("maka luas limas segitiga adalah" + str(luas))

```

Console output: 6, 8, 6, maka luas limas segitiga adalah20

## Volume limas segitiga

The screenshot displays a Python IDE with a flowchart on the left and a code editor on the right. The flowchart starts with a 'Main' terminal, followed by a process box 'Integer a, t, Tinggi', a process box 'Real volume', three input boxes 'Input a', 'Input t', and 'Input Tinggi', a process box with the formula  $volume = \frac{1}{6} * a * t * Tinggi$ , an output box 'Output "maka volume limas segitiga adalah"&volume', and finally an 'End' terminal. The code editor on the right contains the following Python code:

```
0 a = int(input())
1 t = int(input())
2 tinggi = int(input())
3 volume = float(1) / 6 * a * t * tinggi
4 print("maka volume limas segitiga adalah" + str(volume))
```

Below the code editor is a console window showing the execution results. It displays three input values: 18, 10, and 9. The final output is 'maka volume limas segitiga adalah270.000000000001'.

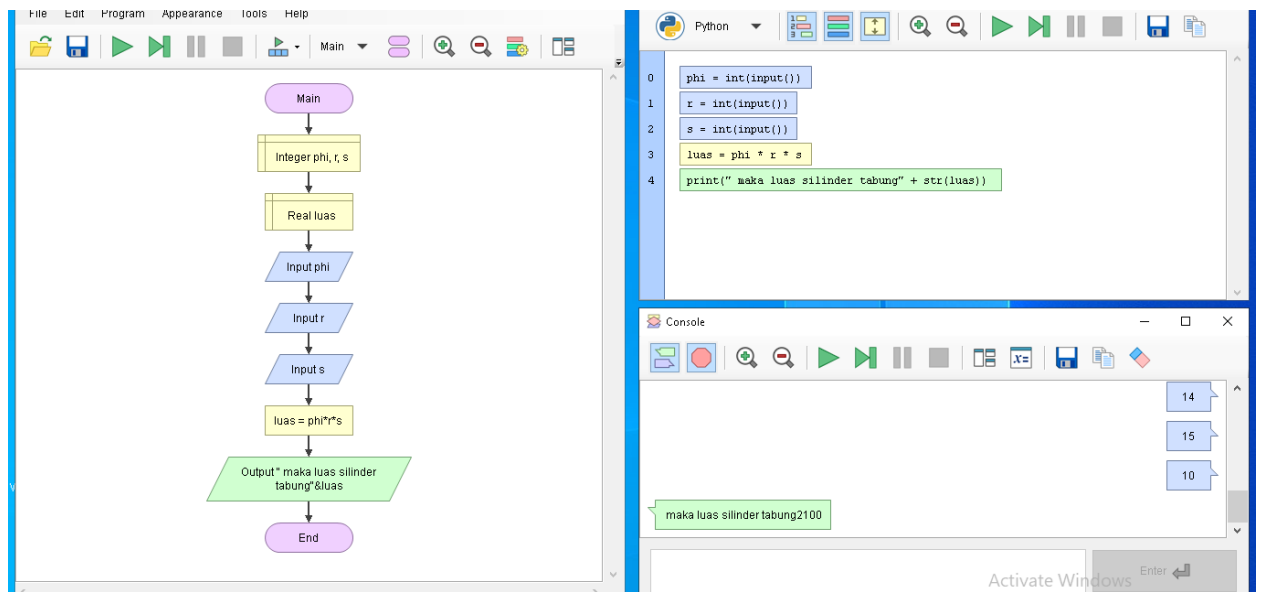
#### 4. Luas prisma segitiga

The screenshot displays a Python IDE with a flowchart on the left and a code editor on the right. The flowchart starts with a 'Main' terminal, followed by a process box 'Integer S1, S2, S3, t', a process box 'Real luas', four input boxes 'Input S1', 'Input S2', 'Input S3', and 'Input t', a process box with the formula  $luas = S1 + S2 + S3 * t$ , an output box 'Output "maka luas prisma segitiga adalah"&luas', and finally an 'End' terminal. The code editor on the right contains the following Python code:

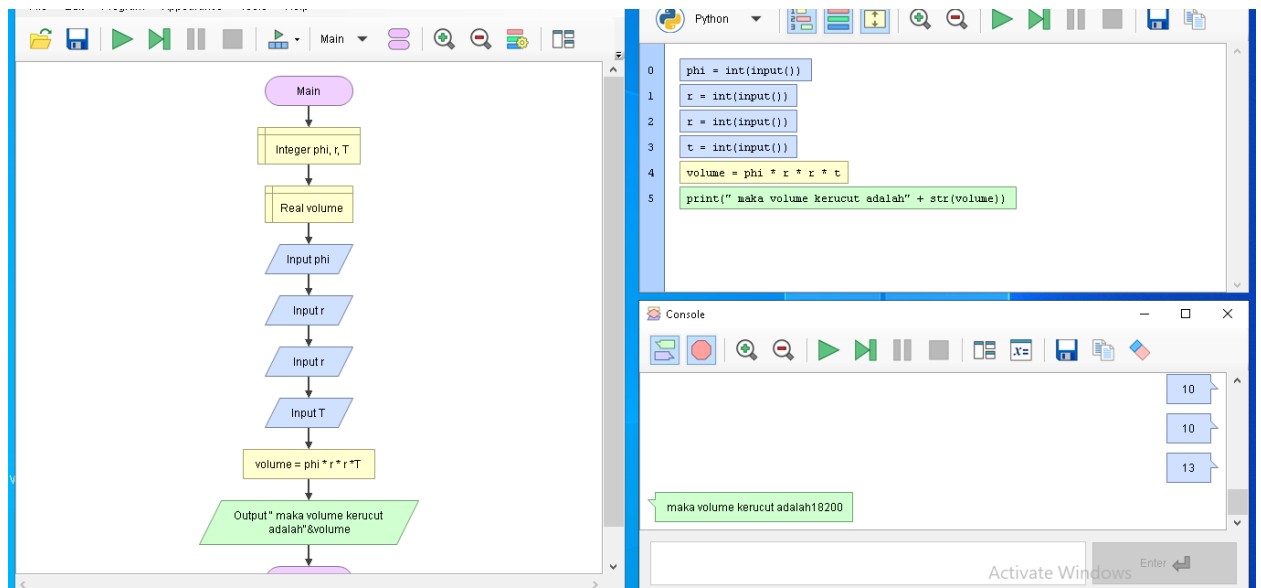
```
0 s1 = int(input())
1 s2 = int(input())
2 s3 = int(input())
3 t = int(input())
4 luas = s1 + s2 + s3 * t
5 print("maka luas prisma segitiga adalah " + str(luas))
```

Below the code editor is a console window showing the execution results. It displays three input values: 6, 9, and 12. The final output is 'maka luas prisma segitiga adalah 122'.

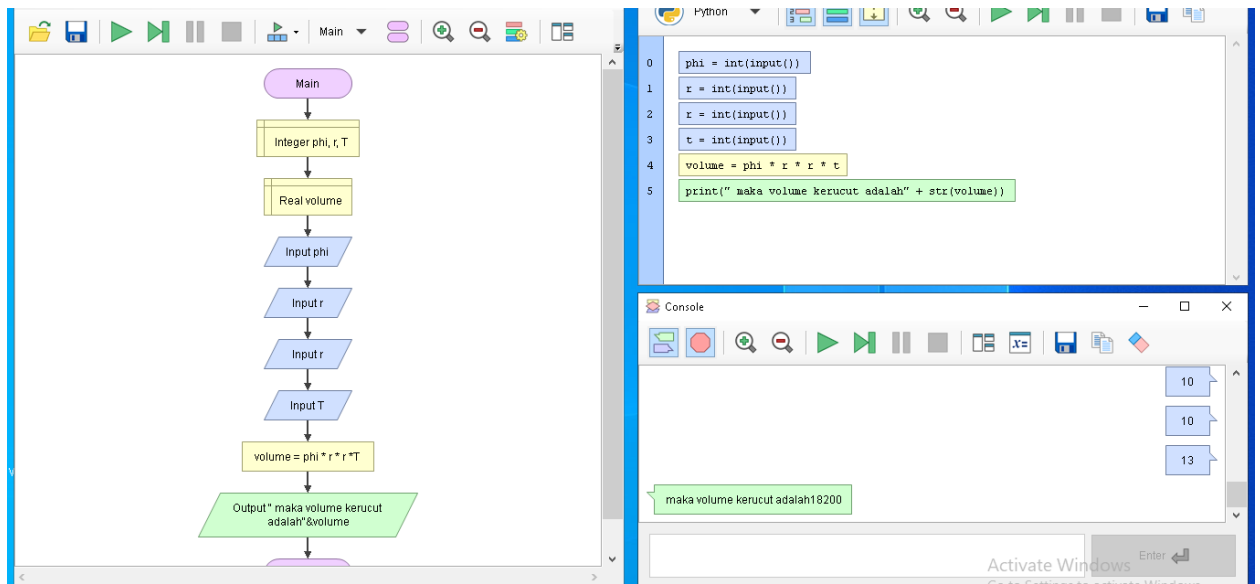
#### 6.luas silinder tabung



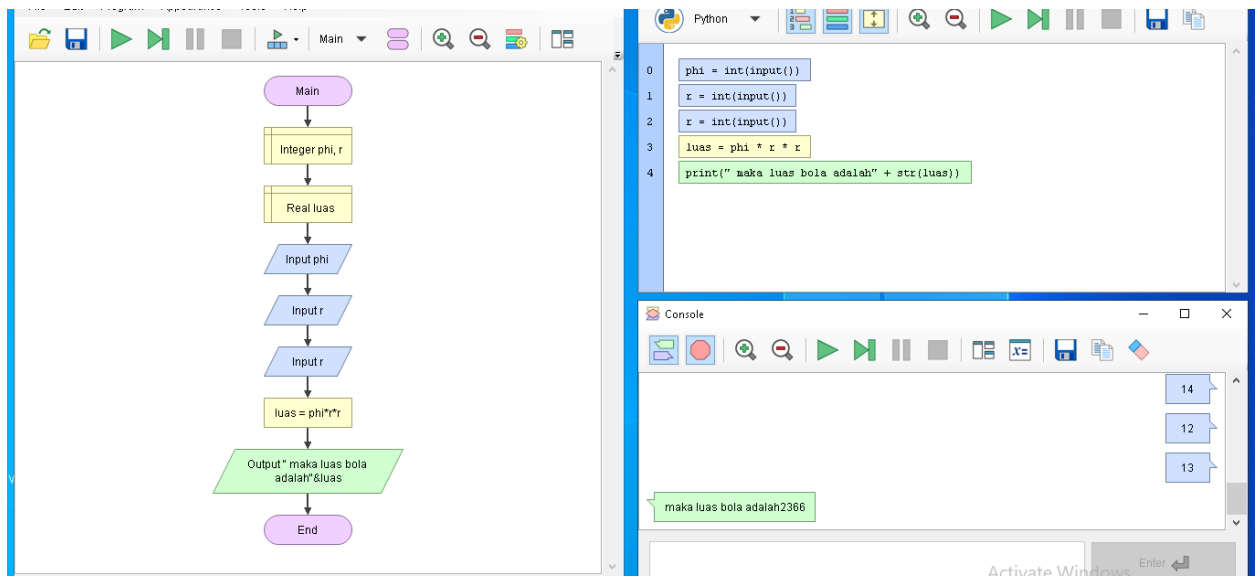
## Volume silinder tabung



## 7. volume kerucut



## 8. luas bola



## Volume bola

File Edit Program Appearance Tools Help

Main

Integer phi, r

Real volume

Input phi

Input r

Input r

Input r

$volume = \frac{4}{3} * \pi * r^3$

Output\* maka volume bola adalah\*&volume

Python

```
0 phi = int(input())
1 r = int(input())
2 r = int(input())
3 r = int(input())
4 volume = float(4) / 3 * phi * r * r
5 print(" maka volume bola adalah" + str(volume))
```

Console

10

12

13

maka volume bola adalah3154.6666666666666

Activate Windows Enter