

## Tugas Python 2 – Artificial Intelligence

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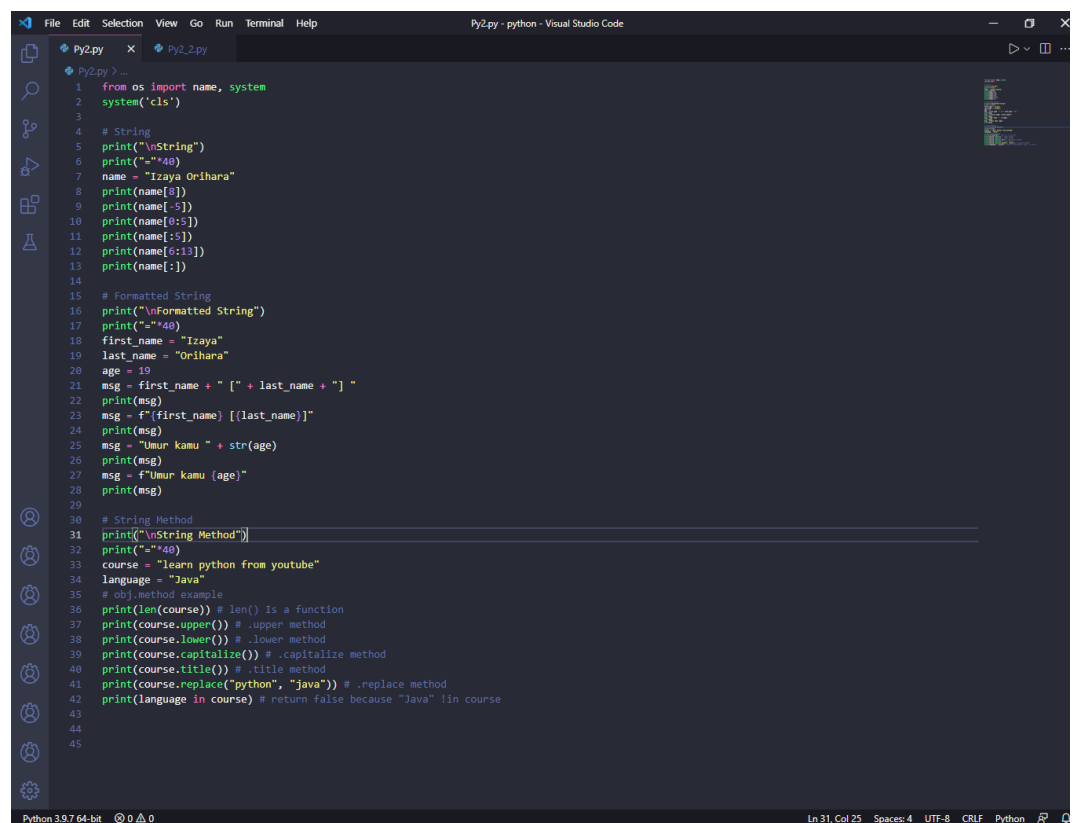
Nim : 20.01.013.075

Kelas : Artificial Intelligence A >> Artificial Intelligence C

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- **Source Code : \*Silahkan Dizoom Untuk Memperjelas**

(String → String Method)



```
1 from os import name, system
2 system('cls')
3
4 # String
5 print("\nString")
6 print("-"*40)
7 name = "Izaya Orihara"
8 print(name[8])
9 print(name[-5])
10 print(name[0:5])
11 print(name[:5])
12 print(name[6:13])
13 print(name[:])
14
15 # Formatted String
16 print("\nFormatted String")
17 print("-"*40)
18 first_name = "Izaya"
19 last_name = "Orihara"
20 age = 19
21 msg = first_name + " [" + last_name + "]"
22 print(msg)
23 msg = f"{first_name} [{last_name}]"
24 print(msg)
25 msg = "Umur kamu " + str(age)
26 print(msg)
27 msg = f"Umur kamu {age}"
28 print(msg)
29
30 # String Method
31 print("\nString Method")
32 print("-"*40)
33 course = "learn python from youtube"
34 language = "Java"
35
36 # obj.method example
37 print(len(course)) # len() is a function
38 print(course.upper()) # .upper method
39 print(course.lower()) # .lower method
40 print(course.capitalize()) # .capitalize method
41 print(course.title()) # .title method
42 print(course.replace("python", "java")) # .replace method
43 print(language in course) # return false because "Java" in course
44
45
```

(Matematika → Math Module)

```
1
2 from os import system
3 system('cls')
4
5 # Matematika
6 print("\nMatematika")
7 print("-"*40)
8 x = 10
9 y = 3
10 print(x + y) #operasi tambah
11 print(x - y) #operasi pengurangan
12 print(x * y) #operasi perkalian
13 print(x / y) #operasi pembagian
14 print(x ** y) #operasi eksponen (pangkat)
15 print(x % y) #operasi modulus(sisa pembagian)
16 print(x // y) #operasi floor division(hasil yang dibulatkan)
17
18 x += 5 # "x = x + 5" == "x+=5"
19 print(x)
20
21 # Operator Precedence
22 print("\n\nOperator Precedence")
23 print("-"*40)
24
25 ---
26 Top prioritas
27 1. ()
28 2. *, /, **, %, //
29 3. +, -,
30 ---
31 num = (2 + 10) * 5 ** 2
32 print(num)
33
34 # Math Module
35 import math
36 print("\n\nMath Module")
37 print("-"*40)
38 num = 5.4
39 print(round(num)) #pembulatan
40 print(math.ceil(num)) #pembulatan keatas
41 print(math.floor(num)) #pembulatan kebawah
```

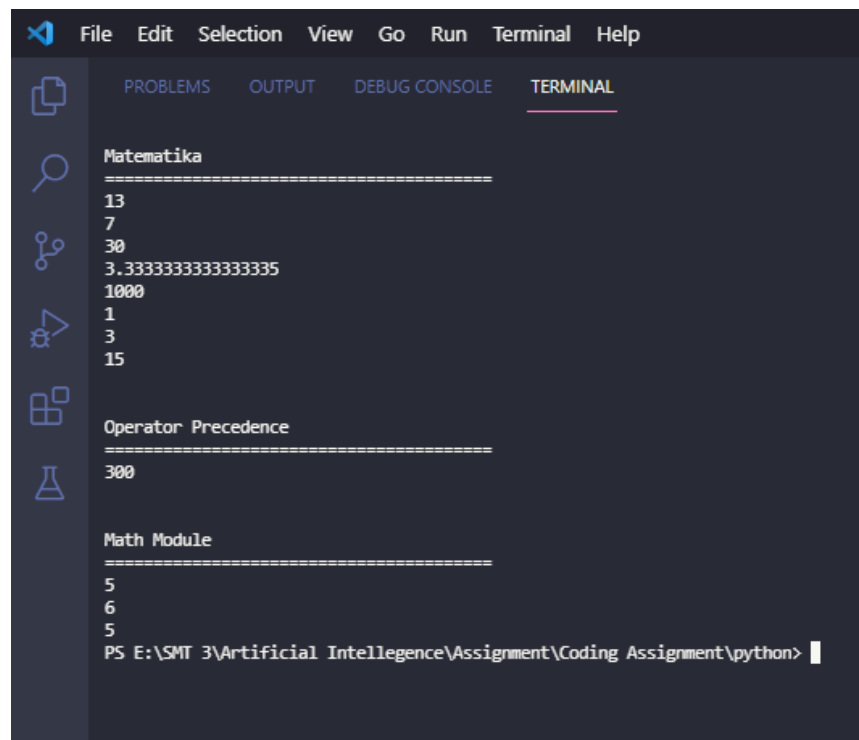
- **Output : \*Silahkan Dizoom Untuk Memperjelas**

```
String
=====
i
i
Izaya
Izaya
Orihara
Izaya Orihara

Formatted String
=====
Izaya [Orihara]
Izaya [Orihara]
Umur kamu 19
Umur kamu 19

String Method
=====
25
LEARN PYTHON FROM YOUTUBE
learn python from youtube
Learn python from youtube
Learn Python From Youtube
learn java from youtube
False

PS E:\SMT 3\Artificial Intelligence\Assignment\Coding Assignment\python>
```



```
File Edit Selection View Go Run Terminal Help
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Matematika
=====
13
7
30
3.333333333333335
1000
1
3
15

Operator Precedence
=====
300

Math Module
=====
5
6
5
PS E:\SMT 3\Artificial Intelligence\Assignment\Coding Assignment\python>
```

Terima Kasih