

# *Python Programming*

## Variables Homework 2

### (Medium)

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*Teaching, Training and Coaching since more than a decade!*

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# Homework 1: Guess Output

```
3
4  num1 = 1
5  num2 = 2
6
7  num3 = num1 + num2
8  num1 = num2
9  num2 = num3
10
11 num3 = num1 + num2
12 num1 = num2
13 num2 = num3
14
15 num3 = num1 + num2
16 num1 = num2
17 num2 = num3
18
19 num3 = num1 + num2
20 num1 = num2
21 num2 = num3
22
23 num3 = num1 + num2
24 num1 = num2
25 num2 = num3
26
27 num3 = num1 + num2
28 num1 = num2
29 num2 = num3
30
31 print(num3)
```

# Homework 2: Swapping 2 numbers!

- Write a program that reads 2 integers num1 and num2
  - E.g. say we read num1 = 7 and num2 = 25
- Target: we want swap the values of num1 and num2?
  - Swap means exchange
  - So Num1 has value 25 and Num2 has value 7
  - Write 3 lines of code only

```
3 num1, num2 = map(int, input().split())
4
5 # TODO line #1
6 # TODO line #2
7 # TODO line #3
8
9 print(num1, num2)
10
```

*“Acquire knowledge and impart it to the people.”*

*“Seek knowledge from the Cradle to the Grave.”*