

Lab-4.1

ทำการประกาศค่าตัวแปรต่างๆ และใส่ค่านั้นๆ

Python Tutor: Visualize code in [Python](#), [JavaScript](#), [C](#), [C++](#), and [Java](#)

Python 3.6
(known limitations)

```
1 class structureclass():
2     scope = 5
3     height = 10
4     def formulacalculate (CUlate):
5         CUlate.Measure = 3.14*(CUlate.scope*CUlate.scop
6         return CUlate.Measure
7 class structureclass2():
8     scope = 7
9     height = 13
10    def formulacalculate2 (CUlate2):
11        CUlate2.Measure = 3.14*(CUlate2.scope*CUlate2.s
12        return CUlate2.Measure
13 CUlate = structureclass()
14 CUlate2 = structureclass2()
15
16 print("answerCUlate is "+ str(CUlate.formulacalculate())
17 print("answerCUlate2 is "+ str(CUlate2.formulacalculate
```

Print output (drag lower right corner to resize)

Frames

- Global frame
 - structureclass
 - structureclass2
 - CUlate
 - CUlate2

Objects

- structureclass class
 - formulacalculate function formulacalculate(CUlate)
 - height 10
 - scope 5
- structureclass2 class
 - formulacalculate2 function formulacalculate2(CUlate2)
 - height 13
 - scope 7
- structureclass instance
- structureclass2 instance

Step 5 of 14

Customize visualization

ผลลัพธ์

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12        return CUlate2.Measure
13 CUlate = structureclass()
14 CUlate2 = structureclass2()
15
16 print("answerCUlate is "+ str(CUlate.formulacalculate())
17 print("answerCUlate2 is "+ str(CUlate2.formulacalculate
```

Print output (drag lower right corner to resize)

```
answerCUlate is 785.0
answerCUlate2 is 1538.6000000000001
```

Frames

- Global frame
 - structureclass
 - structureclass2
 - CUlate
 - CUlate2

Objects

- structureclass class
 - formulacalculate function formulacalculate(CUlate)
 - height 10
 - scope 5
- structureclass2 class
 - formulacalculate2 function formulacalculate2(CUlate2)
 - height 13
 - scope 7
- structureclass instance
 - Measure 785.0
- structureclass2 instance
 - Measure 1538.6

Done running (14 steps)

Customize visualization

Lab-4.2

ทำการประกาศค่าตัวแปรต่างๆ และใส่ค่านั้นๆ

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Python 3.6
(known limitations)

```
1 class PRM():
2     BLength = 10
3     BWidth = 7
4     PRM_height = 17
5     def formulacalculate(CUlate):
6         CUlate.ALL = (CUlate.BLength*CUlate.BWidth*CUla
7         return CUlate.ALL
8
9 PRM = PRM()
10 print("PRM ALL = " + str(PRM.formulacalculate()))
```

[Edit this code](#)

→ line that just executed
→ next line to execute

Step 2 of 7

[Customize visualization](#)

Print output (drag lower right corner to resize)

Frames

Global frame

PRM

Objects

PRM class

BLength	10
BWidth	7
PRM_height	17
formulacalculate	function formulacalculate(CUlate)

ผลลัพธ์

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Python 3.6
(known limitations)

```
1 class PRM():
2     BLength = 10
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5     def formulacalculate(CUlate):
6         CUlate.ALL = (CUlate.BLength*CUlate.BWidth*CUla
7         return CUlate.ALL
8
9 PRM = PRM()
10 print("PRM ALL = " + str(PRM.formulacalculate()))
```

[Edit this code](#)

→ line that just executed
→ next line to execute

Done running (7 steps)

[Customize visualization](#)

Print output (drag lower right corner to resize)

PRM ALL = 396.6666666666667

Frames

Global frame

PRM

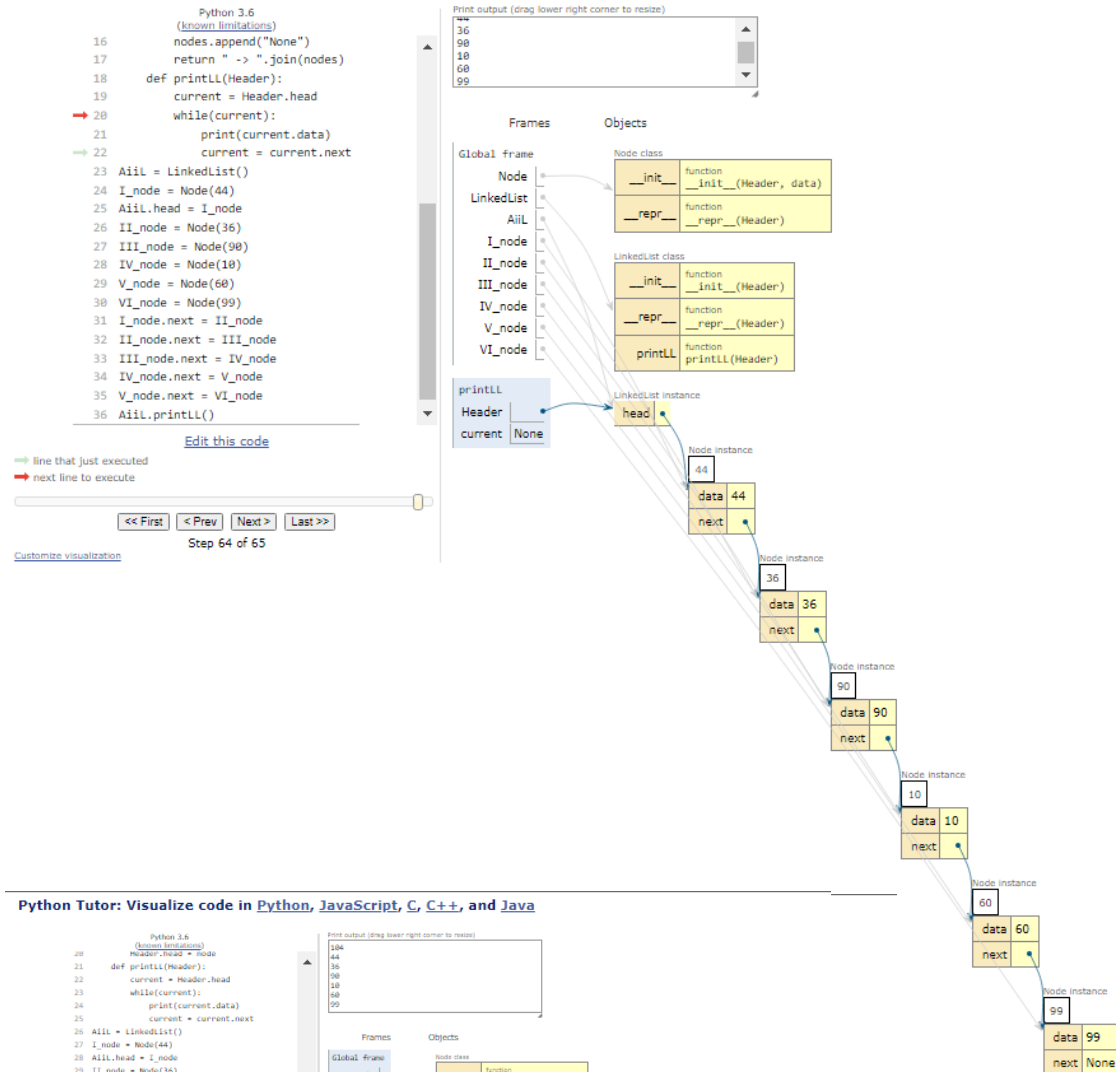
Objects

PRM instance

ALL	396.6667
-----	----------

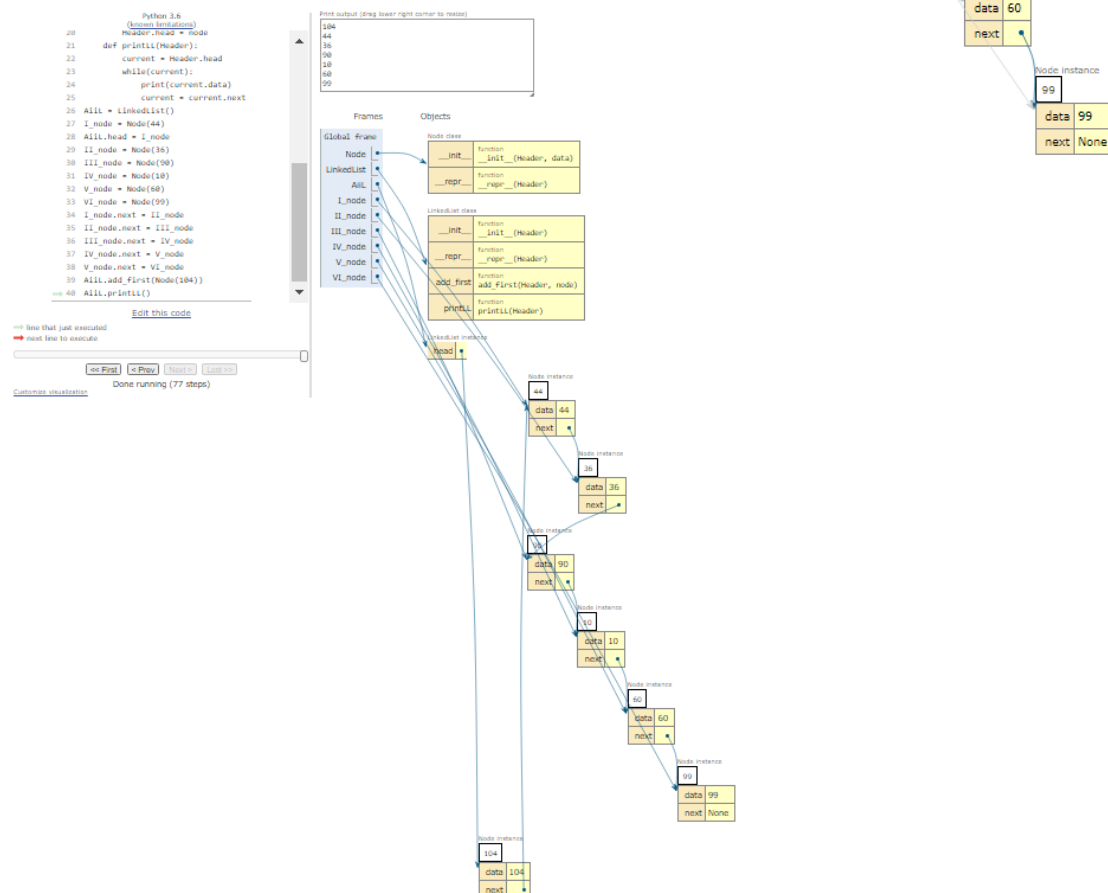
Lab-4.3.1

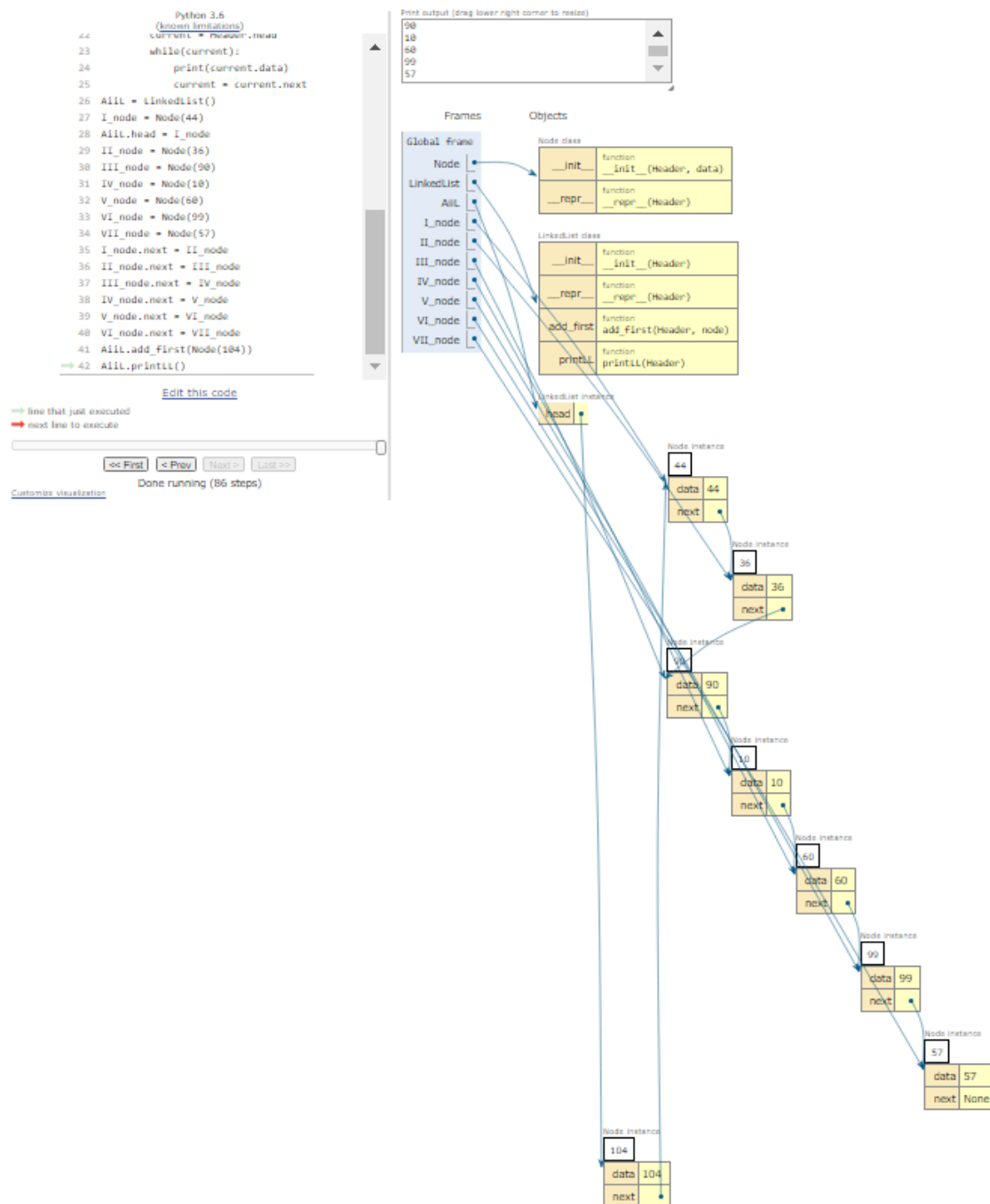
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4.3.2

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Lab4.3.4

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