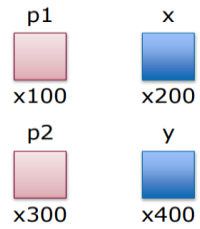


Exercise — draw the pointers

Dictionary

x, y : integer
 p1, p2 : pointer to integer
Algorithm
 x ← 5
 y ← 10

1	p1 ← &x *p1 ← 7
2	p2 ← &y x ← *p2
3	x ← y p1 ← &y p2 ← &x
4	p2 ← &x p1 ← p2 *p2 ← 6



Baris	x	y	p1	p2
1	5	10	X100	X300
2	5	10	X200	X300
3	7	10	X200	X300
4	7	10	X200	X400
5	10	10	X200	X400
6	10	10	X200	X400
7	10	10	X400	X400
8	10	10	X400	X200
9	10	10	X400	X200
10	10	10	X200	X200
11	6	10	X200	X200

Exercise – draw the pointers

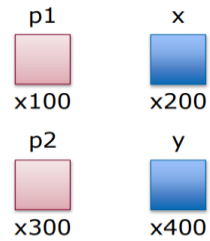
Dictionary

x, y : integer
p1, p2 : pointer to integer

Algorithm

x ← 5
y ← 10

1	p1 ← &y p2 ← &x *p1 ← *p2
2	p2 ← &x *p2 ← 7 p1 ← p2
3	p1 ← &x *p1 ← y



Baris	x	y	d	p2
1	5	10	x100	x300
2	5	10	x400	x300
3	5	10	x400	x200
4	5	5	x400	x200
5	5	5	x400	x200
6	7	5	x400	x200
7	7	5	x200	x200
8	7	5	x200	x200
9	10	5	x200	x200

Exercise — write the value inside each variable and pointer

Dictionary

a, b, c : integer

p1,p2,p3 : pointer to integer

Algorithm

a ← 10

b ← 15

p1 ← &b

p2 ← p1

c ← 27

p1 ← &c

a ← *p1

p3 ← &b

*p2 ← 8

What is the output?					
a	b	c	p1	p2	p3
10	15		1	2	3

Baris	a	b	c	p1	p2	p3
1	10	15		1	2	3
2	10	15		15	2	3
3	10	15		15	15	3
4	10	15	27	15	15	3
5	10	15	27	27	15	3
6	27	15	27	27	15	3
7	27	15	27	27	15	15
8	27	8	27	27	8	8

Exercise — write the value inside each variable and pointer

Dictionary

a, b, c : integer

p1, p2, p3 : pointer to integer

Algorithm

```

a ← 10
b ← 15
c ← 27
p1 ← &a
p2 ← &b
*p1 ← c
a ← *p2
b ← 6
p3 ← &b
p3 ← &c
*p1 ← *p3
    
```

What is the output?					
a	b	c	p1	p2	p3
10	15		1	2	3

Baris	a	b	c	p1	p2	p3
1	10	15		1	2	3
2	10	15		1	2	3
3	10	15	27	1	2	3
4	10	15	27	10	2	3
5	10	15	27	10	15	3
6	27	15	27	27	15	3
7	15	15	27	27	15	3
8	15	6	27	27	15	3
9	15	6	27	27	15	6
10	15	6	27	27	15	27
11	27	6	27	27	15	27