

Nama : Rey Babul Rizki

NPM : G1F021027

Mata kuliah : Algoritma dan Struktur Data

Tugas 2

- Exercise 1

Dictionary

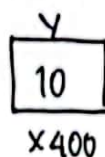
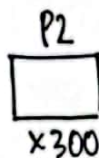
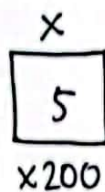
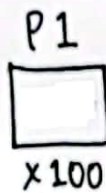
x, y : integer

$P1, P2$: Pointer to integer

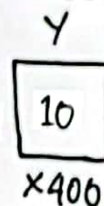
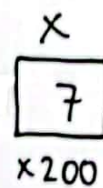
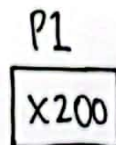
Algorithm

$x \leftarrow 5$

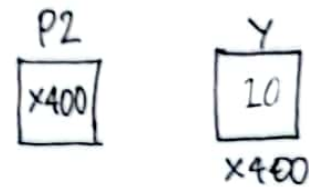
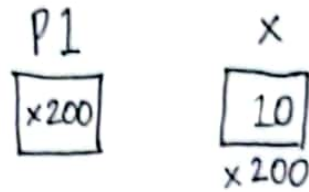
$y \leftarrow 10$



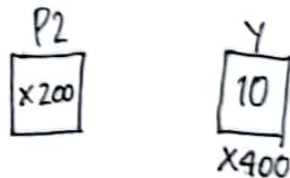
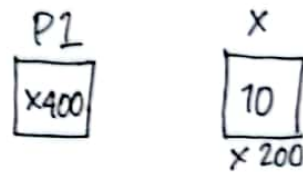
1). $P1 \leftarrow \&x$
 $*P1 \leftarrow 7$



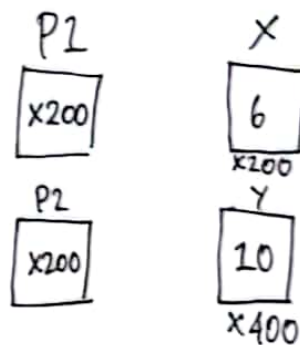
2). $P2 \leftarrow \&Y$
 $X \leftarrow *P2$



3). $X \leftarrow Y$
 $P1 \leftarrow \&Y$
 $P2 \leftarrow \&X$



4). $P2 \leftarrow \&X$
 $P1 \leftarrow P2$
 $*P2 \leftarrow 6$



- Exercise 2

Dictionary

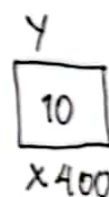
x, y : integer

$P1, P2$: Pointer to integer

Algorithm

$X \leftarrow 5$

$Y \leftarrow 10$



1). $P1 \leftarrow \&Y$
 $P2 \leftarrow \&X$
 $*P1 \leftarrow *P2$

P1
 x400

X
 5
 x200

P2
 x200

Y
 5
 x400

2). $P2 \leftarrow \&X$
 $*P2 \leftarrow 7$
 $P1 \leftarrow P2$

P1
 x200

X
 7
 x200

P2
 x200

Y
 5
 x400

3). $P1 \leftarrow \&X$
 $*P1 \leftarrow Y$

P1
 x200

X
 5
 x200

P2
 x200

Y
 5
 x400

- Exercise 3

What Is The Output?

a	b	c	p1	p2	p3
10	15	27	0x6ffdec	0x6ffdec	0x6ffdec
27	8		0x6ffde8		

```
Nilai a : 10
Nilai b : 15
Nilai p1 : 0x6ffdec
Nilai p2 : 0x6ffdec
Nilai c : 27
Nilai p1 : 0x6ffde8
Nilai a : 27
Nilai p3 : 0x6ffdec
Nilai b : 8
```

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- Exercise 4

What Is The Output?

a	b	c	p1	p2	p3
10	15	27	0x6ffdf4	0x6ffdf0	0x6ffdf0
27	6				0x6ffdec
15					
27					

```
Nilai a : 10
Nilai b : 15
Nilai c : 27
Nilai p1 : 0x6ffdf4
Nilai p2 : 0x6ffdf0
Nilai a : 27
Nilai a : 15
Nilai b : 6
Nilai p3 : 0x6ffdf0
Nilai p3 : 0x6ffdec
Nilai a : 27
```

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