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Algoritma Dan Struktur Data

-exercise 1

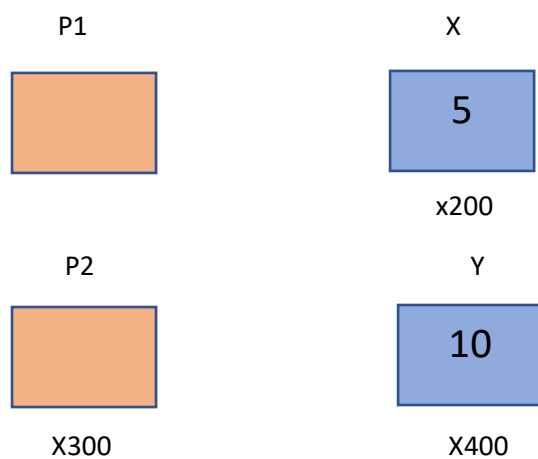
Dictionary : X, y = integer

P1, P2= pointer to integer

Algorithm :

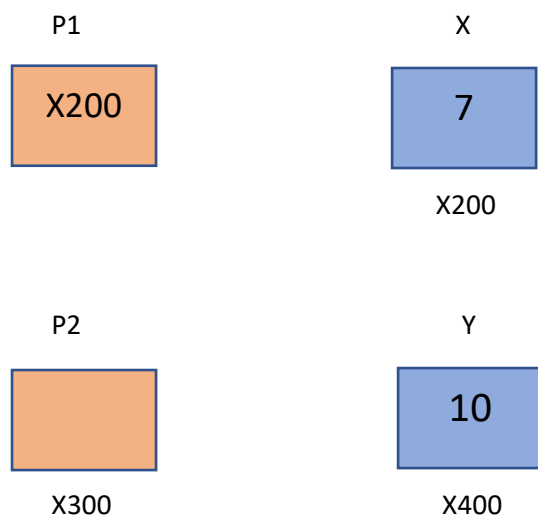
$X \leftarrow 5$

$Y \leftarrow 10$



1). $P1 \leftarrow \&X$

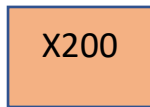
$*P1 \leftarrow 7$



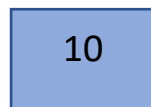
2). $P2 \leftarrow \& y$

$*P1 \leftarrow 7$

P1



X

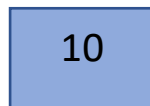


X200

P2



Y



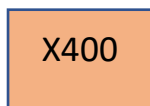
X400

3). $X \leftarrow y$

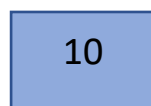
$P1 \leftarrow \& y$

$P2 \leftarrow \& X$

P1

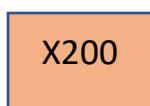


X

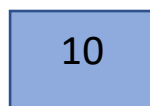


X200

P2



Y



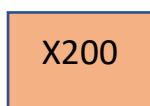
X400

4). $P2 \leftarrow \& y$

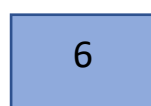
$P1 \leftarrow P2$

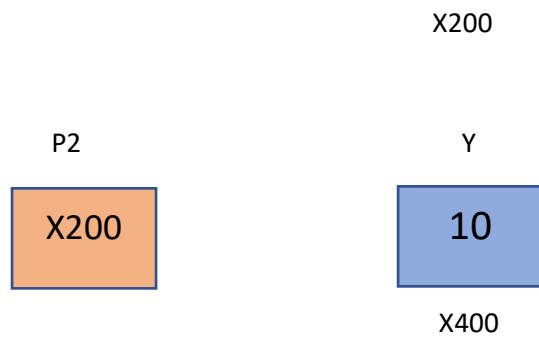
$*P2 \leftarrow 6$

P1



X

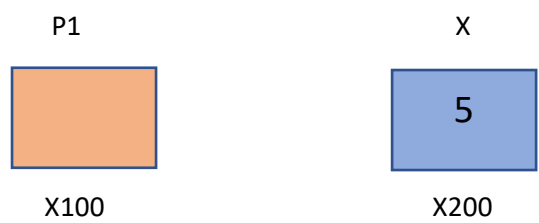




-Exercise 2

Algorithm : $X \leftarrow 5$

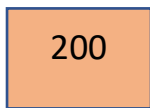
$Y \leftarrow 10$



1). $P2 \leftarrow \&y$
 $P2 \leftarrow \&x$
 $*P3 \leftarrow *P2$



P2 **Y**



X400

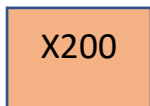
2). $P2 \leftarrow \&x$

$*P2 \leftarrow 7$

$P1 \leftarrow P2$

P1

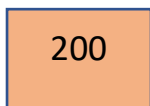
X



X200

P2

Y



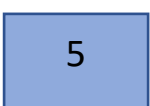
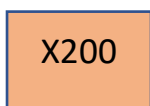
X400

3). $P1 \leftarrow \&x$

$*P2 \leftarrow y$

P1

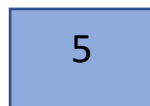
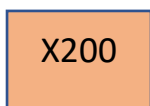
X



X200

P2

Y



X400

- Exercise 3

 C:\Users\mfara\Downloads\Exercise3.exe

```

Nilai a : 10
Nilai b : 15
Nilai p1 : 0x70fdec
Nilai p2 : 0x70fdec
Nilai c : 27
Nilai p1 : 0x70fde8
Nilai a : 27
Nilai p3 : 0x70fdec
Nilai b : 8

-----
Process exited after 1.277 seconds with return value 0
Press any key to continue . . .

```

What Is The Output?

a	b	c	p1	p2	p3
10	15	27	0x70fdec	0x70fdec	0x70fdec
27	8		0x70fde8		

- Exercise 4

 C:\Users\mfara\Downloads\Exercise4.exe

```

Nilai a : 10
Nilai b : 15
Nilai c : 27
Nilai p1 : 0x70fdf4
Nilai p2 : 0x70fdf0
Nilai a : 27
Nilai a : 15
Nilai b : 6
Nilai p3 : 0x70fdf0
Nilai p3 : 0x70fdec
Nilai c : 27

-----
Process exited after 1.261 seconds with return value 0
Press any key to continue . . .

```

What Is The Output?

a	b	c	p1	p2	p3
10	15	27	0x70fdf4	0x70fdf0	0x70fdf0
27	6	27			0x70fdec
15					

