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NIM/ids: 20090023 20

Tugas 1

1/ Nested Loop

Package Nested Looping;

Public Class no2 {

Public Static Void main (String [] args) {

Int x,y;

for (x=0; x<=4; x++) {

for (y=0; y<x; y++) {

System.out.print (x);

}

System.out.print ();

}

}

}

- a> Deklarasi Package = ada
Import Library = Tidak ada
Bagian class = ada
Method Main = ada
Documentation Section = Tidak ada

b> Penjelasan

No	Penjelasan	Output
1	$x=0; 0 \leq 4 \rightarrow T$; lanjut ke looping dalam	
2	$y=0; 0 < 0 \rightarrow F$, stop looping dalam	
3	Print()	Enter baris
4	$x++$; $x=0+1=1$; $1 \leq 4 \rightarrow T$; lanjut ke looping dalam	
5	$y=0$; $0 < 1 \rightarrow T$; Print x	1
6	$y++$; $y=0+1=1$; $1 < 1 \rightarrow F$, stop looping dalam	
7	Print()	Enter baris
8	$x++$; $x=1+1=2$; $2 \leq 4 \rightarrow T$; lanjut ke looping dalam	
9	$y=0$; $0 < 2 \rightarrow T$ Print x	2
10	$y++$; $y=0+1=1$; $1 < 2 \rightarrow T$; Print x	22
11	$y++$; $y=1+1=2$; $2 < 2 \rightarrow F$; stop looping dalam	
12	Print()	Enter baris
13	$x++$; $x=2+1=3$; $3 \leq 4 \rightarrow T$; lanjut ke looping dalam	

14	y = 0 : 0 < 3 → T : Print x	3
15	y++ : y = 0 + 1 = 1 : 1 < 3 → T : Print x	3 3
16	y++ : y = 1 + 1 = 2 : 2 < 3 → T : Print x	3 3 3
17	y++ : y = 2 + 1 = 3 : 3 < 3 → F : Print Stop looping dalam	
18	Print()	Enter baris
19	x++ : x = 3 + 1 = 4 : 4 < 4 → T : lanjut ke looping dalam	
20	y = 0 : 0 < 4 → T : Print x	4
21	y++ : y = 0 + 1 = 1 : 1 < 4 → T Print x	4 4
22	y++ : y = 1 + 1 = 2 : 2 < 4 → T Print x	4 4 4
23	y++ : y = 2 + 1 = 3 : 3 < 4 → T Print x	4 4 4 4
24	y++ : y = 3 + 1 = 4 : 4 < 4 → F, Stop looping dalam	
25	Print()	Enter baris
26	x++ : x = 4 + 1 = 5 : 5 <= 4 → F : Program berhenti	