

Nama : Ramanda Kholisandra
NIM : 20090015
Kelas : 2C
MK : Algoritma dan Struktur Data 2

a. • Nested Loop

> Deklarasi Package

Package Nested Looping;

> Import Library

> Bagian Class

Public Class no 2 {

> Method Main

Public static void main (String [] args) {

> Document Section

• Array menggunakan looping

> Deklarasi Package

> Import Library

> Bagian Class

Public class arrayPerulangan_3 {

> Method main

Public static void main (String args []) {

> Document Section

// Panjang array 3

b. • Nested Loop

NO.	Code	Output
1.	$X = 0; 0 \leq 4 \rightarrow T$; Berlanjut ke looping dalam	
2.	$y = 0; 0 < 0 \rightarrow F$; Looping berhenti	
3.	Print()	
4.	$X++$; $x = 0+1 = 1$; $1 \leq 4 \rightarrow T$; Berlanjut ke looping dalam	
5.	$y = 0; 0 < 1 \rightarrow T$; Print 1	1
6.	$y++$; $y = 0+1 = 1$; $1 < 1 \rightarrow F$; STOP	
7.	Print()	Next Line
8.	$X++$; $x = 1+1 = 2$; $2 \leq 4 \rightarrow T$; Berlanjut ke looping dalam	
9.	$y = 0; 0 < 2 \rightarrow T$; Print 2	2
10.	$y++$; $y = 0+1 = 1$; $1 < 2 \rightarrow T$; Print 2	22
11.	$y++$; $y = 1+1 = 2$; $2 < 2 \rightarrow F$; STOP	
12.	Print()	Next Line
13.	$X++$; $x = 2+1 = 3$; $3 \leq 4 \rightarrow T$; Berlanjut ke looping dalam	
14.	$y = 0; 0 < 3 \rightarrow T$; Print 3	3
15.	$y++$; $y = 0+1 = 1$; $1 < 3 \rightarrow T$; Print 3	33
16.	$y++$; $y = 1+1 = 2$; $2 < 3 \rightarrow T$; Print 3	333
17.	$y++$; $y = 2+1 = 3$; $3 < 3 \rightarrow F$; STOP	
18.	Print()	Next Line
19.	$X++$; $x = 3+1 = 4$; $4 \leq 4 \rightarrow T$; Berlanjut ke looping dalam	
20.	$y = 0; 0 < 4 \rightarrow T$; Print 4	4
21.	$y++$; $y = 0+1 = 1$; $1 < 4 \rightarrow T$; Print 4	44
22.	$y++$; $y = 1+1 = 2$; $2 < 4 \rightarrow T$; Print 4	444
23.	$y++$; $y = 2+1 = 3$; $3 < 4 \rightarrow T$; Print 4	4444
24.	$y++$; $y = 3+1 = 4$; $4 < 4 \rightarrow F$; STOP	

• Array menggunakan looping

NO.	Code	Output
1.	$i = 0; 0 < 3 \rightarrow T$; Print "indeks ke " + 0 + " = " + mahasiswa[0]	Indeks ke 0 = Reinar
2.	$i++$; $i = 0+1 = 1$; $1 < 3 \rightarrow T$; Print "indeks ke " + 1 + " = " + mahasiswa[1]	Indeks ke 1 = Odeng
3.	$i++$; $i = 1+1 = 2$; $2 < 3 \rightarrow T$; Print "indeks ke " + 2 + " = " + mahasiswa[2]	Indeks ke 2 = Geano
4.	$i++$; $i = 2+1 = 3$; $3 < 3 \rightarrow F$; STOP	