

Nama : Ryan Kevin Nurhakim

NIM : 20090117

Kelas : 2A

a.1). Nested Loop

- Deklarasi package = Package Nested Looping
- Import Library = Tidak ada
- Bagian class = public class no 2 { }
- Method main = public static void main (string [] args) { }
- Documentation section = tidak ada

a.2). Array menggunakan looping

- Deklarasi package = Tidak ada (tidak terlihat)
- Import library = Tidak ada
- Bagian class = public class array perulangan_3 { }
- method main = public static void main (string [] args) { }
- Documentation section = // panjang array 3

b.1). Nested loop

out put

- $x = 0$; $0 \leq 4 \rightarrow \text{True}$, maka lanjut looping dalam

- $y = 0$; $0 \leq 0 \rightarrow \text{False}$, maka stop looping dalam

- `println()`

enter ban's

- $x++$; $x = 0 + 1 = 1$; $1 \leq 4 \rightarrow \text{True}$, maka lanjut looping dalam

- $y = 0$; $0 \leq 1 \rightarrow \text{True}$; `print(x)`

1

- $y++$; $y = 0 + 1 = 1$; $1 \leq 1 \rightarrow \text{False}$, maka stop looping dalam

- `println()`

enter ban's

- $x++$; $x = 1 + 1 = 2$; $2 \leq 4 \rightarrow \text{True}$, maka lanjut looping dalam

- $y = 0$; $0 \leq 2 \rightarrow \text{True}$; `print(x)`

2

- $y++$; $y = 0 + 1 = 1$; $1 \leq 2 \rightarrow \text{True}$, `print(x)`

2 2

- $y++$; $y = 1 + 1 = 2$; $2 \leq 2 \rightarrow \text{False}$, maka stop looping dalam

- `println()`

enter ban's

- $x++$; $x = 2 + 1 = 3$; $3 \leq 4 \rightarrow \text{True}$, maka lanjut looping dalam

- $y = 0$; $0 \leq 3 \rightarrow \text{True}$; `print(x)`

3

- $y++$; $y = 0 + 1 = 1$; $1 \leq 3 \rightarrow \text{True}$, `print(x)`

3 3

- $y++$; $y = 1 + 1 = 2$; $2 \leq 3 \rightarrow \text{True}$, `print(x)`

3 3 3

- $y++$; $y = 2 + 1 = 3$; $3 \leq 3 \rightarrow \text{False}$, maka stop looping dalam

- `print()`

enter ban's

- $x++$; $x = 3 + 1 = 4$; $4 \leq 4 \rightarrow \text{True}$, maka lanjut looping dalam

- $y = 0$; $0 \leq 4 \rightarrow \text{True}$, `print(x)`

4

- $y++$; $y = 0 + 1 = 1$; $1 \leq 4 \rightarrow \text{True}$, `print(x)`

4 4

- $y++$; $y = 1 + 1 = 2$; $2 \leq 4 \rightarrow \text{True}$, `print(x)`

4 4 4

- $y++$; $y = 2 + 1 = 3$; $3 \leq 4 \rightarrow \text{True}$, `print(x)`

4 4 4 4

- $y++$; $y = 3 + 1 = 4$; $4 \leq 4 \rightarrow \text{False}$, maka stop looping dalam

- `print()`

enter ban's

- $x++$, $x = 4 + 1 = 5$, $5 \leq 4 \rightarrow \text{False}$, program selesai

b.2). Array menggunakan looping

Siswa. length adalah panjang ~~array~~ atau banyaknya data ~~array~~ siswa dalam array

- $i = 0$; $0 \leq 3 \rightarrow \text{True}$

`println("Indeks ke " + i + " = " + "1 siswa [i])`

0 = Reinar

- $i++$; $i = 0 + 1 = 1$, $1 \leq 3 \rightarrow \text{True}$