

## 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

Output

- $x = 0$ ;  $0 < 4 \rightarrow \text{True}$ , mau lanjut looping dalam
- $y = 0$ ;  $0 < 0 \rightarrow \text{False}$ , mau stop looping dalam
- `println()` enter baris
- $x++$ ,  $x = 0+1 = 1$ ,  $1 < 4 \rightarrow \text{True}$ , mau lanjut looping dalam
- $y = 0$ ;  $0 < 1 \rightarrow \text{True}$ , `print(x)` 1
- $y++$ ,  $y = 0+1 = 1$ ;  $1 < 1 \rightarrow \text{False}$ , mau stop looping dalam
- `println()` enter baris
- $x++$ ,  $x = 1+1 = 2$ ,  $2 < 4 \rightarrow \text{True}$ , mau lanjut looping dalam
- $y = 0$ ,  $0 < 2 \rightarrow \text{True}$ , `print(x)` 2
- $y++$ ;  $y = 0+1 = 1$ ;  $1 < 2 \rightarrow \text{True}$ , `print(x)` 2 2
- $y++$ ;  $y = 1+1 = 2$ ;  $2 < 2 \rightarrow \text{False}$ , mau stop looping dalam
- `println()` enter baris
- $x++$ ,  $x = 2+1 = 3$ ;  $3 < 4 \rightarrow \text{True}$ , mau lanjut looping dalam
- $y = 0$ ,  $0 < 3 \rightarrow \text{True}$ , `print(x)` 3
- $y++$ ,  $y = 0+1 = 1$ ,  $1 < 3 \rightarrow \text{True}$ , `print(x)` 3 3
- $y++$ ,  $y = 1+1 = 2$ ;  $2 < 3 \rightarrow \text{True}$ , `print(x)` 3 3 3
- $y++$ ;  $y = 2+1 = 3$ ;  $3 < 3 \rightarrow \text{False}$ , mau stop looping
- `println()` enter
- $x++$ ,  $x = 3+1 = 4$ ;  $4 < 4 \rightarrow \text{False}$ , mau lanjut looping
- $y = 0$ ,  $0 < 4 \rightarrow \text{True}$ , `print(x)` 4
- $y++$ ,  $y = 0+1 = 1$ ,  $1 < 4 \rightarrow \text{True}$ , `print(x)` 4 4
- $y++$ ,  $y = 1+1 = 2$ ,  $2 < 4 \rightarrow \text{True}$ , `print(x)` 4 4 4
- $y++$ ,  $y = 2+1 = 3$ ;  $3 < 4 \rightarrow \text{True}$ , `print(x)` 4 4 4 4
- $y++$ ,  $y = 3+1 = 4$ ,  $4 < 4 \rightarrow \text{False}$ , mau stop looping
- `println()` enter baris
- $x++$ ,  $x = 4+1 = 5$ ,  $5 < 4 \rightarrow \text{False}$ , program selesai

## b. Array menggunakan looping

Siswa.length adalah panjang atau banyaknya data siswa dalam array

- $i = 0$ ;  $0 < 3 \rightarrow \text{True}$   
`println("Index ke" + i + " = " + siswa[i])` 0 = Reinan
- $i++$ ;  $i = 0+1 = 1$ ;  $1 < 3 \rightarrow \text{True}$   
`println("Index ke" + i + " = " + siswa[i])` 1 = Odena
- $i++$ ;  $i = 1+1 = 2$ ;  $2 < 3 \rightarrow \text{True}$   
`println("Index ke" + i + " = " + siswa[i])` 2 = Geanno
- $i++$ ,  $i = 2+1 = 3$ ,  $3 < 3 \rightarrow \text{False}$ , program selesai