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2A

a.1) Nested Loop

- Men deklarasikan package : package Nested looping
- Import Library : kosong
- kelas : public class no 2 { }
- method main : public static void main (String [] args) { ... }
- Documentation Section : kosong

a.2) Array menggunakan looping

- Deklarasi package : kosong
- Import Library : tidak ada
- kelas : public class array perulangan - 3 { ... }
- method main : public static void main (String [] args) { ... }
- Documentation Section : panjang array 3

b.2) Array menggunakan Looping

Siswa length adalah panjang atau banyak data siswa dalam array

- $i = 0, 0 < 3 \rightarrow \text{true}$

Println ("Index ke " + i + " = ", siswa[i])

- $i + 1: i = 0 + 1 = 1, 1 < 3 \rightarrow \text{true}$

b.1) nested loop

- $x = 0, 0 < 4 \rightarrow \text{true}$, maka lanjut looping dalam
- $y = 0, 0 < 0 \rightarrow \text{false}$, maka setiap looping dalam
- `println`
- $x++$, $x = 0 + 1 = 1, 1 < 4 \rightarrow \text{true}$, maka lanjut looping dalam
- $y = 0, 0 < 1 \rightarrow \text{true}$, `print(x)`
- $y++$, $y = 0 + 1 = 1, 1 < 1 \rightarrow \text{false}$, maka setiap looping dalam
- `println` }
- $x++$, $x = 1 + 1 = 2, 2 < 4 \rightarrow \text{true}$ maka lanjut looping dalam
- $y = 0, 0 < 2 \rightarrow \text{true}$, `print(x)`
- $y++$, $y = 0 + 1 = 1, 1 < 2 \rightarrow \text{true}$, `print(x)`
- $y++$, $y = 1 + 1 = 2, 2 < 2 \rightarrow \text{false}$, maka setiap looping dalam
- `println()`
- $x++$, $x = 2 + 1 = 3, 3 < 4 \rightarrow \text{true}$ maka lanjut looping dalam
- $y = 0, 0 < 3 \rightarrow \text{true}$, `print(x)`
- ~~• $y++$, $y = 0 + 1 = 1, 1 < 3 \rightarrow \text{true}$, `print(x)`~~
- $y++$, $y = 0 + 1 = 1, 1 < 3 \rightarrow \text{true}$, `print(x)`
- $y++$, $y = 1 + 1 = 2, 2 < 3 \rightarrow \text{true}$, `print(x)`
- `println()`
- $x++$, $x = 3 + 1 = 4, 4 < 4 \rightarrow \text{true}$, maka lanjut looping dalam
- $y = 0, 0 < 4 \rightarrow \text{true}$, `print(x)`
- $y++$, $y = 0 + 1 = 1, 1 < 4 \rightarrow \text{true}$, `print(x)`
- $y++$, $y = 1 + 1 = 2, 2 < 4 \rightarrow \text{true}$, `print(x)`
- $y++$, $y = 2 + 1 = 3, 3 < 4 \rightarrow \text{true}$, `print(x)`
- $y++$, $y = 3 + 1 = 4, 4 < 4 \rightarrow \text{false}$, looping dalam
- `println()`
- $x++$, $x = 4 + 1 = 5, 5 < 4 \rightarrow \text{false}$, pemrograman berhenti

akhir