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mk : Algoritma > struktur data 2

Tugas 1 : Looping & Array

1. Nested Loop
   - Deklarasi package : package Nested Looping;
   - Impor library : tidak ada.
   - Bagian Class : Public class no 2 {

```
Public static void main(String [] arg) {
    int x, y;
    for (x=0 ; x <= y ; x++) {
        for (y=0 ; y < x ; y++) {
            System.out.println (x);
        }
        System.out.println ();
    }
}
```

   - Method main :

```
Public static void main (String [] arg) {
    int x; y;
    for (x=0; x <= y; x++) {
        for (y=0; y < x ; y++) {
            System.out.print (x);
        }
        System.out.print ();
    }
}
```

   - Document Section : tidak ada.

2. Array menggunakan Looping

- Deklarasi package : tidak ada
- Import library : tidak ada
- Bagian class : Public class array_perulangan {
  Public static void main (String [] args) {
  String [] siswa : {"Reiman", "Odeaa", "Geamo"};
  for (int i=0 ; i<siswa.length ; i++) {
  System.out.println ("indeks ke " + i +
  " = " + siswa [i]);
  }
  }
  }
- Method main : Public static void main (String[] args) {
  String [] siswa : {"Reiman", "Odeaa", "Geamo"};
  for (int i=0 ; i< siswa.length ; i++) {
  System.out.println ("indeks ke " + i + " = "
  + mahasiswa [i]);
  }
  }
- Documentation Section : // panjang Array :

Date :

b/ 1 Nested Loop

No	penjelasan	output
1	x=0 ; 0≤4 → T ; Lanjut looping dalam	
2	y=0 ; 0≤0 → T ; stop looping dalam	"Enter baris
3	print () ;	
4	x++ ; x=0+1=1 ; 1≤4 → T ; lanjut looping dalam	1
5	y=0 ; 0<1 → T ; print 1	
	y++ ; y=0+1=1 ; 1<1 → F ; stop looping dalam	Enter baris
6	print ()	
7	x++ ; x=1+1=2 ; 2≤4 → T ; Lanjut looping dalam	2
8	y=0 ; 0≤2 → T ; print 2	22
9	y++ ; y=0+1=1 ; 1<2 → T ; print 2	
	y++ ; y=1+1=2 ; 2<2 → F ; stop looping dalam	Enter baris
10	println () ;	
11	x++ ; x=2+1=3 ; 3≤4 → T ; Lanjut looping dalam	3
12	y=0 ; 0<3 → T ; print 3	33
14	y++ ; y=0+1=1 ; 1<3 → T ; print 3	333
15	y++ ; y=1+1=2 ; 2<3 → T ; print 3	
	y++ ; y=2+1=3 ; 3<3 → F ; stop looping dlm	Enter baris
16	print () ;	
17	x++ ; x=3+1=4 ; 4≤4 → T ; lanjut looping dalam	4
18	y=0 ; 0<4 → T ; print	44
19	y++ ; y=0+1=1 ; 1<4 → T ; print 4	444
20	y++ ; y=1+1=2 ; 2<4 → T ; print 4	4444
21	y++ ; y=2+1=3 ; 3<4 → T ; print 4	
	y++ ; y=3+1=4 ; 4<4 → F ; stop looping dlm	Enter baris
22	print () ;	
	x++ = 4+1=5<=4 → F ; program berhenti	

2 Array

No	Penjelasan	Output
1	i=0 ; 0<3 → T ; print i=0 ; indeks [0]	indeks ke 0 = Reinan
2	i++ ; i=0+1=1 ; 1<3 → T ; print i=1 ; indeks [1]	indeks ke 1 = Odang
3	i++ ; i=1+1=2 ; 2<3 → T ; print i=2 ; indeks [2]	indeks ke 2 = Geanno
4	i++ ; i=2+1=3 ; 3<3 → F ; stop looping	