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1. A Nested loop

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 - Method main → ada → public static void main (String args []) {
- B. Array menggunakan looping
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 - Bagian class → ada → public class array perulangan 3.
 - Documentation section → ada → // panjang array 3
 - Method main → ada → public static void main (String args []) {

2. Nested loop

Package Nested loop

public class no 2 {

public static void main (String args []) {

int x, y;

for (x = 0; x <= 4; x++) {

for (y = 0; y < x; y++) {

System.out.print (x) ;

}

System.out.print "\n (" ");

}

}

}

Penjelasan :

x = 0 ; x <= 4 ? True → lanjut looping dalam

y = 0 ; 0 < 0 ? false → stop looping dalam

print ()

x++ ; x = 0+1 = 1 ; x = 0 <= 4 ? True → lanjut looping dalam

y = 0 ; 0 < 1 ? True → print x

y++ ; y = 0+1 = 1 ; 1 < 1 ? false → stop looping dalam

print ()

x++ ; x = 1+1 = 2 ; 2 <= 4 ? True → lanjut looping dalam

output

enter baris

!

$y=0$; $0 < 2$? True \rightarrow print x
 $y++$; $y=0+1=1$; $1 < 2$? True \rightarrow print x
 $y++$; $y=1+1=2$; $2 < 2$? False \rightarrow stop looping dalam
 Print ()
 enter baris
 $x++$; $x=2+1=3$, $3 <= 4$? True \rightarrow lanjut looping dalam
 $y=0$; $0 < 3$? True \rightarrow print x
 $y++$; $y=0+1=1$; $1 < 3$? True \rightarrow print x
 $y++$; $y=1+1=2$; $2 < 3$? True \rightarrow print x
 $y++$; $y=2+1=3$, $3 < 3$? False \rightarrow stop looping dalam
 Print ()
 $x++$; $x=3+1=4$; $4 <= 4$? True \rightarrow lanjut looping dalam
 $y=0$; $0 < 4$? True \rightarrow print x
 $y++$; $y=0+1=1$; $1 < 4$? True \rightarrow print x
 $y++$; $y=1+1=2$; $2 < 4$? True \rightarrow print x
 $y++$; $y=2+1=3$; $3 < 4$? True \rightarrow print x
 $y++$; $y=3+1=4$; $4 < 4$? False \rightarrow stop looping dalam
 Print ()
 enter baris
 $x++$; $x=4+1=5$; $5 < 4$? False \rightarrow stop looping dalam
 Print ()
 end,
 Hasil : 1
 2 2
 3 3 3
 4 4 4 4

3. Array Menggunakan looping

```

public class array perulangan -3 {
    public static void main (String args []) {
        String [] siswa = {"Reinan", "Odenna", "Geanno"} ; // Panjang array 3
        for (int i=0 ; i < siswa.length ; i++) {
            System.out.println ("Indeks ke " + i + " = " + siswa [i]);
        }
    }
}
  
```

penjelasan \rightarrow siswa = length = 3

$i=0$; $0 < 3$? True \rightarrow print indeks ke " + i " = " + siswa [i]

output = indeks ke 0 = Reinan

$i++$; $i=0+1=1$; $1 < 3$? True \rightarrow print " / indeks ke " + i " = " siswa [i]

output = indeks ke 1 = odenna

$i++$; $i = 1+1 = 2$; $2 < 3$? True \rightarrow print "Index ke " + i + "
+ show $[i]$ "

Output . = Index ke 2 = Geanno

$i++$; $i = 2+1 = 3$; $3 < 3$? False \rightarrow stop array looping