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2A

Tugas 1 Pengayaan Looping dan array

1 Nested Loop

```
Package Modul1_Pengayaan_dan_Struktur_Data.        // Deklarasi Package.
Public class Nested_Loop {
    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.println ();
        }
    }
}
```

Metod Main.

Bagian Class

- Out Put

```
1
22
333
4444
```

- Penjelasan jalannya Program.

No	Penjelasan	out put
1	x = 0 ; x <= 4 ; Bagian Looping Dalam.	
2.	y = 0 ; y < x ; → T ; print 1	1
3.	y++ = y = 1 + 1 = 2 ; 2 <= 1 → F Stop looping dalam.	
4	print ()	enter baris.
5	x++ ; x = 1+1 = 2 ; 2 <= 4 → T ; Langut Looping dalam	
6	y = 2 ; 2 <= 2 → T ; print 2	2
7	y++ ; y = 1 + 1 = 2 ; 2 <= 2 → T ; print 2	22
8	y++ ; y = 2 + 1 = 3 ; 3 < 2 → T ; print 3	3
9	print ()	enter baris
10	Di jalankan hingga output menjadi 4444	4444

2. Array Menggunakan Looping

```
Package Modul1_Pengayaan_dan_Struktur_data // Deklarasi Package.
Public class array_loping {
    Public Stathc Void Main (String [] args) {
        String [] Siswa = {"Reinan", "Odena", "Geano"};
        for (int i = 0; i < Siswa.Lenght; i++){
            System.out.println ("Indeks Ke "+i+" = "+ Siswa [i];
    }
}
}
```

Method Main — Bagian class

Output
Indeks Ke 0 = Reinan
Indeks Ke 1 = Odena
Indeks Ke 2 = Geano

- Penjelasan Jalannya Program

No	Penjelasan	Output
1	i = 0; 0 < 3 → T Print "Indeks ke" + "." = " + Siswa [0]	Indeks Ke 0 = Reinan
2	i++; i = 0 + 1 = 1; 1 < 3 → T; print "Indeks ke" + "=" + Siswa [1]	Indeks ke 1 = odena
3.	i++; i = 1 + 1 = 2; 2 < 3 → T; Print "Indeks ke" + "=" + Siswa [2]	Indeks ke 2 = Geano