



MI1264 DASAR ALGORITMA DAN PEMROGRAMAN

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CONTROL STATEMENT - NESTED LOOP

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TUJUAN

- Memahami konsep perulangan bersarang

WHILE - 1

```
Var1 ← 0
WHILE Var1 <= 10 DO
BEGIN
    Var2 ← 0
    WHILE Var2 < 10 DO
    BEGIN
        Var2 ← Var2 + 1;
    END
    var1 ← var1 + 1;
END
```

WHILE - 2

```
Var1 ← 0
WHILE Var1 ≤ 10 DO
BEGIN
    Var2 ← 10
    WHILE Var2 > 0 DO
    BEGIN
        Var2 ← Var2 - 1
    END
    var1 ← var1 + 1;
END
```

FOR TO DO - 1

```
Total ← 0;  
FOR x ← 0 TO 10 DO  
    BEGIN  
        FOR y ← 0 TO 10 DO  
            BEGIN  
                total ← total + y;  
            END  
        END  
END
```

FOR TO DO - 2

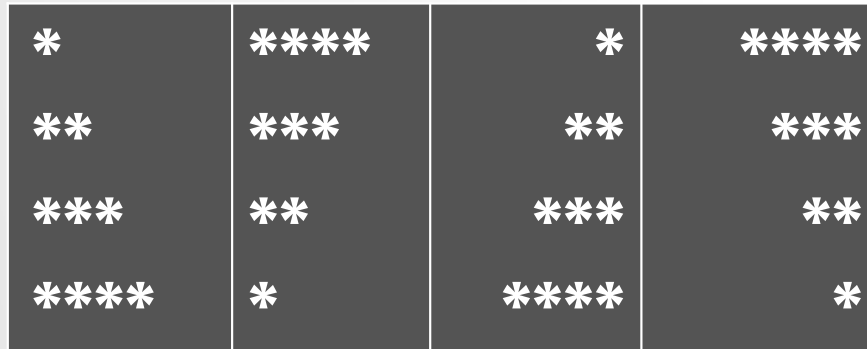
```
Total ← 0;  
FOR x ← 0 TO 10 DO  
    BEGIN  
        FOR y ← 10 DOWN TO 0 DO  
            BEGIN  
                total ← total + y;  
            END  
    END  
END
```

KOMBINASI

```
Var1 ← 0
WHILE Var1 <= 10 DO
BEGIN
    FOR y ← 10 DOWN TO 0 DO
    BEGIN
        total ← total + y;
    END
    var1 ← var1 + 1;
END
```

LATIHAN

1. Cetak Pola



2. Menu Program.



any question?

DAFTAR PUSTAKA

Cantù. M, Essential Pascal 4th edition, <http://marcocantu.com>, 2008.