# **03-02**

1. Operator

* Compare
* Logic

1. Decision making :

* If (Mengecek kondisi)
* Else (Membuat kondisi lain)
* Elif (Membuat beberapa kondisi lain)

**BITWISE**

Operator Bitwise adalah operator khusus untuk mengatasi bilangan ‘Biner’ Cara menghitung dengan Operator Bitwise.

Hitunglah **5 & 3** (5 AND 3)menggunakan table dibawah ini

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Nilai**  **Decimal** | **2⁰** | **2¹** | **2²** | **2³** | **2⁴** | **2⁵** | **2⁶** | **2⁷** | **2⁸** |
| **1** | **2** | **4** | **8** | **16** | **32** | **64** | **128** | **256** |
| **5** | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **3** | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Hasil |

Hitunglah **5 | 3** ( 5 OR 3) menggunakan table dibawah ini

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Nilai**  **Decimal** | **2⁰** | **2¹** | **2²** | **2³** | **2⁴** | **2⁵** | **2⁶** | **2⁷** | **2⁸** |
| **1** | **2** | **4** | **8** | **16** | **32** | **64** | **128** | **256** |
| **5** | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **3** | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | Hasil |

Hitunglah **5 | 3** ( 5 XOR 3) menggunakan table dibawah ini

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Nilai**  **Decimal** | **2⁰** | **2¹** | **2²** | **2³** | **2⁴** | **2⁵** | **2⁶** | **2⁷** | **2⁸** |
| **1** | **2** | **4** | **8** | **16** | **32** | **64** | **128** | **256** |
| **5** | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **3** | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | Hasil |