**xor**

*Operator of bitwise logical EXCLUSIVE OR.*

**Syntax:**

*c* **=** *a* **xor** *b;*

**Arguments:**

*a, b* – operands of bitwise logical EXCLUSIVE OR.

**Description:**

*or* – operator of bitwise logical EXCLUSIVE OR. Operation of logical EXCLUSIVE OR is being executed with input operands in a bitwise manner.

**Result:**

*c* – operation result.

**Example:**

|  |  |
| --- | --- |
|  | y = 8; //1000  x = 5; //0101  z1 = y **xor** x; //1101  y = 9; //1001  x = 5; //0101  z2 = y **xor** x; //1100  y = 13; //1101  x = 5; //0101  z3 = y **and** x; //1000 |

As a result, variable *z1* will be assigned value 13, *z2* will be assigned value 12, *z3* will be assigned value 8.