**mod**

*Operator of getting remainder of integer division.*

**Syntax:**

*c* **=** *a* **mod** *b;*

**Arguments:**

*a* – dividend, integer,

*b* – divider, integer.

**Description:**

*mod* – operator of getting remainder of integer division of operands.

**Result:**

*c* – operation result, integer.

**Example:**

|  |  |
| --- | --- |
|  | y = 8;  x1 = 5;  x2 = 3;  x3 = 2;  z1 = y **mod** x1;  z2 = y **mod** x2;  z3 = y **mod** x3; |

As a result, variable *z1* will be assigned value 3, since when integer 8 is divided by integer 5, the result will produce integer 1 and remainder 3.

As a result, variable *z2* will be assigned value 2, since when integer 8 is divided by integer 3, the result will produce integer 2 and remainder 2.

As a result, variable *z3* will be assigned value 0, since when integer 8 is divided by integer 2, the result will produce integer 4 and remainder 0.