**new~**

*Dynamic memory allocation and assignment by reference.*

**Syntax:**

**new~**<data type>**;**

**Description:**

Dynamic memory allocation and assignment by reference. Allocated memory shall be disposed using function *dispose*.

**Example:**

|  |  |
| --- | --- |
|  | p = **new~double**; //Memory allocation  **~double**(p) = 100; //Assignment  y = **~double**(p); //access by reference  **dispose**(p); //Memory deallocation |

Memory is allocated to a variable of *double* type by reference *p* using function *new~* in the process of execution of the example. Using the function ~ an access by reference to the variables is enabled and value 1000 is assigned to that. Value 1000 is assigned to variable *y* by reference *p*. Before completion of the example the memory is disposed by means of function *dispose.*