**addtohash**

*Adding element of list of strings into hash table.*

**Syntax:**

**addtohash**(*h\_id*, *n*)*;*

**Arguments:**

*h\_id –* hash table identifier,

*n –* string number in list of strings.

**Description:**

*addtohash(h\_id, n)* – adding element of a list of strings (string) with number *n* into hash table with identifier *h\_id*.

The hash tables are intended for ensuring accelerated search for identifier in the list of strings.

**Result:**

*None*.

**Example:**

|  |  |
| --- | --- |
|  | **var**  s\_01:**string** = "string1" + chr(10) + "string2",  s\_02:**string** = "string1";  //creating list of strings  slist = **createstringlist**;  //load string s\_01 into list  **settextstringlist**(slist, s\_01);  //add string s\_02 into list  i = **addstringlist**(slist, s\_02, 0);  //create hash table  hasht = **createstringlisthash**(slist, 4095);  //add string with number 2  **addtohash**(hasht, 2);  //obtain string indices  indexes = **getindexesfromhash**(hasht, "string1");  //delete list  **freeobject(**slist**);**  //delete hash table  **freeobject(**hasht**);** |

In the course of performing example a list of strings with identifier *slist* will be createdwith the use of function *createstringlist*. A line declared with white-space character “string advance” will

be loaded into a list of strings *slist* by means of function *settextstringlist*, as a result, variable *slist* will comprise an identifier of list of strings.

“” *string1*”

“*string2*””.

Further, string “*string1*” will be loaded into a list of strings by means of function *addstringlist* with identifier *slist*.

As a result variable *slist* will comprise identifier of a list of strings:

“”string1”

“string2”

“string1””

, variable *i* will be assigned value 2.

Use function *createstringlisthash* to create a hash table with identifier *hasht* for a list of strings with identifier *slist*.

An element list of strings with identifier *slist* with number 2 (string “*string1*”) will be added into a hash table with identifier *hasht* using function *addtohash*.

Indices of string “string1” will be obtained in the list of strings *slist* using function *getindexesfromhash*, variable *indexes* will be assigned a value of array [0 , 2 , 2].

Prior to completing an example the list of strings and a hash table shall be deleted by means of *freeobject* function.