**getindexfromhash**

*Function of searching for string index in the list of strings in accordance with hash table.*

**Syntax:**

*indx* **= getindexfromhash**(*h\_id*, *str*)*;*

**Arguments:**

*h\_id –* identifier of hash table, in which a search is effected,

*str –* string, which is being searched for.

**Description:**

*getindexfromhash(h\_id, str)* – function effects searching for *str* string index in the list of strings in accordance with hash table *h\_id*.

Hash tables are intended for ensuring accelerated search for identifier in a list of strings.

**Result:**

*indx –* index in the list of strings.

**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);  // obtain string index  index = **getindexfromhash**(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 string 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.

Hash table with identifier *hasht* will be created by means of *createstringlisthash* function for a list of strings with identifier *slist*.

Index of string “string1” will be obtained in the list of strings *slist* by means of *getindexesfromhash* function, variable *index* will be assigned a value of 0.

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