

# GetItemType (ESL Extended Functions)

## %GetItemType function

### Function

The function detects a type of entered column of the [structure](#) or [structured variable](#).

### Declaration

```
INT %GetItemType(  
    HBJ in  objRef,  
    INT in  col  
)
```

### Parameters

<b>objRef</b>	Expression of HBJ type - reference to object of <a href="#">Structured variable</a> type or <a href="#">Structure definition</a> .
<b>col</b>	Column index.

### Description

The function gets back an invalid value:

- if **objRef** is the reference to unknown object, or the object is not Structured variable type or Structure definition,
- if the value of parameter **col** is out of range which is given by columns number of relevant object.

Value type is expressed by integer according to following table:

Column type	Value
Logical	0
Integral	1
Real	2
Absolute time	3
Relative time	4
Text	5
Object	6

### Example

```
RECORD (SD.Struct)_rec  
INT _itemType  
  
_itemType := %GetItemType(SD.Struct\HBJ, 1)  
_itemType := %GetItemType(SV.Struct\HBJ, 3)  
_itemType := %GetItemType(_rec\HBJ, 2)
```



#### Related pages:

[ESL extended functions](#)  
[Function arguments - types](#)