

# SORT#

SORT# returns a string containing a sorted Telitab set

## Syntax

SORT#(Telitab\$, SortPar\$, [Mode%=0 or 1])

### Arguments

- Telitab\$ is a string expression containing/returning a Telitab set.
- SortPar\$ is a name of parameter for which the Telitab\$ will be unfolded and subsequently sorted.
- Mode% is a optional sort modus:
  - Mode%=0, will sort cases for SortPar\$ values from low to high (**ascending**).
  - Mode%=1, will sort cases for SortPar\$ values from high to low (**descending**).

## Examples

Before explaining the SORT# function, some words on unfolding a Telitab set for a particular parameter. Unfolding implies that the record(s) containing this parameter are moved to the top of the hierarchy.

So if Telitab\_1\$ contains the dataset:

```
2
"MODELS"
{
0
-4 "1" "2" "3" "4"
"MODMAT$" "wood" "foam" "wood" "plywood"
"LPP" 112.30 133.80 98.60 145.00
"B" 17.80 21.50 16.42 22.40
"T" 7.65 9.20 6.70 9.40
}
"PROJECTS"
{
1
"CLIENT$" "YardX"
}
```

To explain the data:

you have two objects, MODELS and PROJECTS presented as list values in Telitab\_1\$ containing [TeLiTabs](#) themselves (with several parameters). LPP is part of the MODELS object ([TeLiTab](#)).

When you unfold Telitab\_1\$ dataset on parameter "LPP", you get:

```
1
"PROJECTS"
{
1
"CLIENT$" "YardX"
}
0
-4 "1" "2" "3" "4"
"MODMAT$" "wood" "foam" "wood" "plywood"
"LPP" 112.30 133.80 98.60 145.00
"B" 17.80 21.50 16.42 22.40
"T" 7.65 9.20 6.70 9.40
```

You see that PROJECT still is a separate object (and presented as a list value in Telitab\_1\$). All other data (which was part of the MODELS object) now is part of Telitab\_1\$ and thus a table in the [TeLiTab](#).

To unfold a Telitab set for a particular parameter implies that the record(s) containing this parameter are moved to the top of the hierarchy. If UnfoldPar\$ = "NullString", no unfolding is performed.

The SORT#() function unfolds and sorts the telitab like in the following example:

```
SORT#(Telitab_1$, "LPP", 0)
```

or

```
SORT#(Telitab_1$, "LPP")
```

returns:

```
1
"PROJECTS"
{
1
"CLIENT$" "YardX"
}
-4 "1" "2" "3" "4"
"MODMAT$" "wood" "wood" "foam" "plywood"
"LPP" 98.60 112.30 133.80 145.00
"B" 16.42 17.80 21.50 22.40
"T" 6.70 7.65 9.20 9.40
```

---

`SORT#(Telitab_1$, "LPP", 1)`

returns:

```
1
"PROJECTS"
{
1
"CLIENT$" "YardX"
}
-4 "1" "2" "3" "4"
"MODMAT$" "plywood" "foam" "wood" "wood"
"LPP" 145.00 133.80 112.30 98.60
"B" 22.40 21.50 17.80 16.42
"T" 9.40 9.20 7.65 6.70
```

If `SortPar$` contains a parameter which does not occur in the `Telitab$` set, an error message is returned:

***"No valid Sort parameter: "ParName" given in SORT# function."***

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Quick links: [Functions overview](#) | [Attribute overview](#) | [Constants overview](#) | [Dimensions overview](#)