# **SELECT**

SELECT returns a selected data element from a Telitab set or a list of arguments

#### Syntax

```
    SELECT(Pno%, 1, "ColLab$", Elem%)
    SELECT(0, Npoints%, x_1, y_1, x_2, y_2,..., Elem%)
    SELECT(@ObjFn(..), 1, @ObjColPar, Elem%)
    SELECT(Telitab$, 1, "ColLab$", Elem%)
```

#### **Arguments**

- Pno% is the number that refers to the TeLiTab sets in the Data slot. Pno% should be an integer value or a parameter which is assigned an integer value and is the number of theTeLiTab set in the expressions' data slot.
- Npoints% is the number of points (x,y) that are given in direct definition.
- @ObjFn() refers to the Object from which data will be used.
- TeLiTab\$ refers to the string parameter that contains the TeLiTab.
- Ndim% is the number of dimensions (or columns in the table...).
- "ColLab\$\_1" and @ObjColPar\_1 etc refer to the columns that will be used
- Elem% is the actual element you want to base your selection on

#### Remarks

- 1. See also Telitab access for a generic description on the use of TeLiTab data
- 2. Similar to other Data analysis functions, the SELECT is a convenient way to evaluate data. Please also look at these functions for syntax examples

## **Examples**

### Syntax 1: Telitab in Dataslot

The way this function is operated is illustrated using an example in which syntax 1 is used, the TeLiTab is addressed in the Dataslot.

```
SELECT(1, 1, "YC", x)
```

With the following Telitab set in the Data slot:

```
|SELECT1|
0
2 "XC" "YC"
"1" 1 1
"2" 2 4
"3" 3 9
"4" 4 16
"5" 5 25
"6" 6 36
"7" 7 49
"8" 8 64
"9" 9 81
"10" 10 100|
```

Returns 64 for x = 8.

## **Syntax 2: Direct definintion**

```
The function:
```

```
SELECT(0, 3, 45.4, 23.0, 10.8, x) returns 10.8 for x = 3.
```

Quick links: Functions overview | Attribute overview | Constants overview | Dimensions overview

Copyright © 2022, MARIN Page 1 of 1