

ToTuple operator

This operator can be used to translate an object (e.g. key-value/json object) to a tuple. In KeyValue case Names are JSON-Path Exceptions. If names contains special chars like ".", "*", etc. the chars will be replaced by "_". To define own names you [[Path](#),[Name](#),[Type](#)] in the schema.

Parameter

- **schema**: The list of requested attributes (keys) and their data type .
- **type**: The type of the output tuple
- **dateFormat**: Can be used to format the timestamp. To create a timestamp an attribute of data type STARTTIMESTAMP or ENDTIMESTAMP has to be added to schema.

Example 1

Example

```
out = TOTUPLE({
    schema=[['Name', 'Double']],
    type='Measurement'
},
in
)
```

Example 2

Assume that a data source in sends key-value-pairs about persons in the following (JSON-)format:

```
{person.name="Max", person.age=22, timestamp=11123}
```

Then, reading the name (and timestamp) is as follows:

Example

```
out = TOTUPLE({
    schema=[['person.name', 'String'], ['timestamp', 'STARTTIMESTAMP']],
    type='Measurement'
},
in
)
```