QBFunctions

Property Summary

QBSelect	parent Get query builder parent table clause, this may be a query or a join clause.
QBSelect	root Get query builder parent.

Method Summary

QBFunction	abs(value) Create abs(column) expression
QBFunction	bit_length(value) Create bit_length(column) expression
QBFunction	cast(value, type) Cast using type name.
QBFunction	ceil(arg) Create ceil(column) expression
QBFunction	coalesce(args) Create year(date) expression
QBFunction	concat(arg1, arg2) Create concat(args, arg2) expression
QBFunction	day(arg) Create day(date) expression
QBFunction	divide(arg1, arg2) Create divide(args, arg2) expression
QBFunction	floor(arg) Create floor(column) expression
QBFunction	hour(arg) Create hour(date) expression
QBFunction	len(value) Create length(column) expression
QBFunction	locate(string1, string2) Create locate(str1, str2) expression
QBFunction	locate(string1, string2, start) Create locate(str1, str2, start) expression
QBFunction	lower(value) Create lower(column) expression
QBFunction	minus(arg1, arg2) Create minus(args, arg2) expression
QBFunction	minute(arg) Create minute(date) expression
QBFunction	mod(dividend, divisor) Create mod(dividend, divisor) expression
QBFunction	month(arg) Create month(date) expression
QBFunction	multiply(arg1, arg2) Create multiply(args, arg2) expression
QBFunction	nullif(arg1) Create nullif(arg1, arg2) expression
QBFunction	plus(arg1, arg2) Create plus(args, arg2) expression
QBFunction	round(arg) Create round(column) expression
QBFunction	second(arg) Create second(date) expression
QBFunction	sqrt(value) Create sqrt(column) expression
QBFunction	substring(arg, pos) Create substring(column, pos) expression
QBFunction	substring(arg, pos, len) Create substring(column, pos, len) expression
QBFunction	trim(value) Create trim(column) expression
QBFunction	upper(value) Create upper(column) expression

QBFunction year(arg)
Create year(date) expression

Property Details

parent

Get query builder parent table clause, this may be a query or a join clause.

Returns

QBSelect

Sample

```
/** @type {QBSelect<db:/example_data/person>} */
        var query = databaseManager.createSelect('db:/example_data/person')
        query.where.add(query.joins.person_to_parent.joins.person_to_parent.columns.name.eq('john'))
        foundset.loadRecords(query)
```

root

Get query builder parent.

Returns

QBSelect

Sample

```
/** @type {QBSelect<db:/example_data/order_details>} */
        var subquery = databaseManager.createSelect('db:/example_data/order_details')

 /** @type {QBSelect<db:/example_data/orders>} */
        var query = databaseManager.createSelect('db:/example_data/orders')
        query.where.add(query
                .or
                        .add(query.columns.order_id.not.isin([1, 2, 3]))

                        .add(query.exists(
                                        subquery.where.add(subquery.columns.orderid.eq(query.columns.
order_id)).root
                        ))
                )

        foundset.loadRecords(query)
```

Method Details

abs

QBFunction **abs** (value)

Create abs(column) expression

Parameters

{Object} value

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.mynum.abs.eq(query.functions.abs(myval)))
foundset.loadRecords(query);
```

bit_length

QBFunction **bit_length** (value)

Create bit_length(column) expression

Parameters

{Object} value

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.shipname.bit_length.eq(query.functions.bit_length('Sample')))
foundset.loadRecords(query);
```

cast

QBFunction **cast** (value, type)

Cast using type name.

Parameters

{Object} value - object to cast
{String} type - type see QUERY_COLUMN_TYPES

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.result.add(query.functions.cast("22",QUERY_COLUMN_TYPES.TYPE_INTEGER)).add(query.columns.amt_discount.
cast(QUERY_COLUMN_TYPES.TYPE_STRING));
application.output(databaseManager.getDataSetByQuery(query,1).getAsHTML())
```

ceil

QBFunction **ceil** (arg)

Create ceil(column) expression

Parameters

{Object} arg - number object

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.mynumcol.ceil.eq(query.functions.ceil(myvar))
foundset.loadRecords(query);
```

coalesce

QBFunction **coalesce** (args)

Create year(date) expression

Parameters

{Object...} args - arguments to coalesce

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.mycol.coalesce('defval').eq(query.functions.coalesce(myvar, 'defval'))
foundset.loadRecords(query);
```

concat

QBFunction **concat** (arg1, arg2)

Create concat(args, arg2) expression

Parameters

{Object} arg1
{Object} arg2

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/udm/contacts>} */
        var query = databaseManager.createSelect('db:/udm/contacts') //$NON-NLS-1$
        query.result.add(query.columns.name_first.concat(' ').concat(query.columns.name_last))
        var ds = databaseManager.getDataSetByQuery(query, -1)
```

day

QBFunction **day** (arg)

Create day(date) expression

Parameters

{Object} arg - date object

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.mydatecol.day.eq(query.functions.day(mydatevar))
foundset.loadRecords(query);
```

divide

QBFunction **divide** (arg1, arg2)

Create divide(args, arg2) expression

Parameters

{Object} arg1
{Object} arg2

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.mynumcol.divide(2).eq(query.functions.divide(myvar, 2))
foundset.loadRecords(query);
```

floor

QBFunction **floor** (arg)

Create floor(column) expression

Parameters

{Object} arg - number object

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.mynumcol.floor.eq(query.functions.floor(myvar))
foundset.loadRecords(query);
```

hour

QBFunction **hour** (arg)

Create hour(date) expression

Parameters

{Object} arg - date object

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.mydatecol.hour.eq(query.functions.hour(mydatevar))
foundset.loadRecords(query);
```

len

QBFunction **len** (value)

Create length(column) expression

Parameters

{Object} value

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.shipname.len.eq(query.functions.len('Sample')))
foundset.loadRecords(query);
```

locate

QBFunction **locate** (string1, string2)

Create locate(str1, str2) expression

Parameters

{Object} string1 - string to locate
{Object} string2 - string to search in

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.shipname.locate('amp').eq(query.functions.locate('Sample', 'amp')))
foundset.loadRecords(query);
```

locate

QBFunction **locate** (string1, string2, start)

Create locate(str1, str2, start) expression

Parameters

{Object} string1 - string to locate
{Object} string2 - string to search in
{Number} start - start pos

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.shipname.locate('amp', 1).eq(query.functions.locate('Sample', 'amp', 1)))
foundset.loadRecords(query);
```

lower

QBFunction **lower** (value)

Create lower(column) expression

Parameters

{Object} value

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.shipname.lower.eq(query.functions.lower('Sample')))
foundset.loadRecords(query);
```

minus

QBFunction **minus** (arg1, arg2)

Create minus(args, arg2) expression

Parameters

{Object} arg1
{Object} arg2

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.mynumcol.minus(2).eq(query.functions.minus(myvar, 2))
foundset.loadRecords(query);
```

minute

QBFunction **minute** (arg)

Create minute(date) expression

Parameters

{Object} arg - date object

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.mydatecol.minute.eq(query.functions.minute(mydatevar))
foundset.loadRecords(query);
```

mod

QBFunction **mod** (dividend, divisor)

Create mod(dividend, divisor) expression

Parameters

{Object} dividend
{Object} divisor

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.mynumcol.mod(2).eq(query.functions.mod(myvar, 2))
foundset.loadRecords(query);
```

month

QBFunction **month** (arg)

Create month(date) expression

Parameters

{Object} arg - date object

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.mydatecol.month.eq(query.functions.month(mydatevar))
foundset.loadRecords(query);
```

multiply

QBFunction **multiply** (arg1, arg2)

Create multiply(args, arg2) expression

Parameters

{Object} arg1
{Object} arg2

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.mynumcol.multiply(2).eq(query.functions.multiply(myvar, 2))
foundset.loadRecords(query);
```

nullif

QBFunction **nullif** (arg1)

Create nullif(arg1, arg2) expression

Parameters

{Object} arg1

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.shipname.nullif('none').eq(query.functions.nullif('Sample', 'none')))
foundset.loadRecords(query);
```

plus

QBFunction **plus** (arg1, arg2)

Create plus(args, arg2) expression

Parameters

{Object} arg1
{Object} arg2

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.mynumcol.plus(2).eq(query.functions.plus(myvar, 2))
foundset.loadRecords(query);
```

round

QBFunction **round** (arg)

Create round(column) expression

Parameters

{Object} arg - number object

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.mynumcol.round.eq(query.functions.round(myvar))
foundset.loadRecords(query);
```

second

QBFunction **second** (arg)

Create second(date) expression

Parameters

{Object} arg - date object

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.mydatecol.second.eq(query.functions.second(mydatevar))
foundset.loadRecords(query);
```

sqrt

QBFunction **sqrt** (value)

Create sqrt(column) expression

Parameters

{Object} value

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.mynum.sqrt.eq(query.functions.sqrt(myval)))
foundset.loadRecords(query);
```

substring

QBFunction **substring** (arg, pos)

Create substring(column, pos) expression

Parameters

{Object} arg - column name
{Number} pos - position

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.shipname.substring(3).eq(query.functions.substring('Sample', 3)))
foundset.loadRecords(query);
```

substring

QBFunction **substring** (arg, pos, len)

Create substring(column, pos, len) expression

Parameters

{Object} arg - column name
{Number} pos - position
{Number} len - length

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.shipname.substring(3, 2).eq(query.functions.substring('Sample', 3, 2)))
foundset.loadRecords(query);
```

trim

QBFunction **trim** (value)

Create trim(column) expression

Parameters

{Object} value

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.shipname.trim.eq(query.functions.trim('Sample')))
foundset.loadRecords(query);
```

upper

QBFunction **upper** (value)

Create upper(column) expression

Parameters

{Object} value

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.shipname.upper.eq(query.functions.upper('Sample')))
foundset.loadRecords(query);
```

year

QBFunction **year** (arg)

Create year(date) expression

Parameters

{Object} arg - date object

Returns

QBFunction

Sample

```
/** @type {QBSelect<db:/example_data/orders>} */
var query = databaseManager.createSelect('db:/example_data/orders') //$NON-NLS-1$
query.where.add(query.columns.mydatecol.year.eq(query.functions.year(mydatevar))
foundset.loadRecords(query);
```