root

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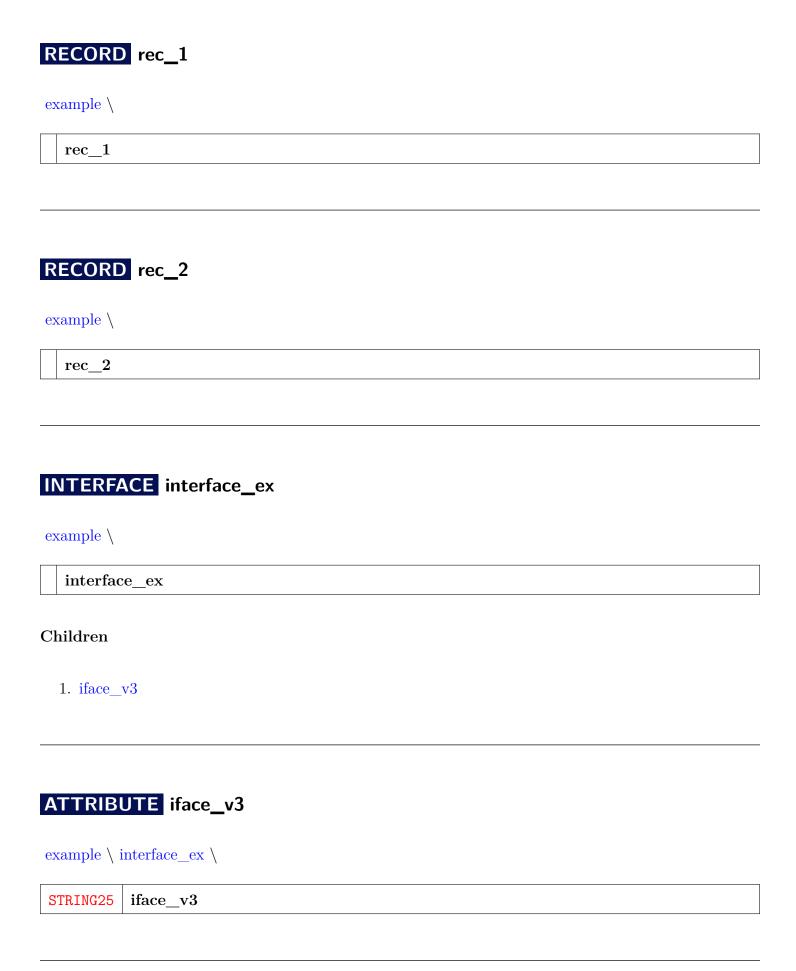
example

DESCRIPTIONS

MODULE example

	example

Basic Example with : records, interface, function, modules, transform, embed, macros and functionmacro

Children

1. rec_1
2. rec_2
3. interface_ex
4. func_1
5. func_2
6. mod_1
7. mod_2
8. cpp_1
9. funcmacro_1
10. macro_1
11. macro_2

RECORD rec__1

example \

	rec__1

RECORD rec__2

example \

	rec__2

INTERFACE interface_ex

example \

	interface__ex

Children

1. iface_v3

ATTRIBUTE iface_v3

example \ interface_ex \

STRING25	iface__v3

FUNCTION func_1

	func_1
(REAL8 x, STRING25 y)	

FUNCTION func_2

DATASET(rec_2)	func_2
(DATASET(rec_1) d)	

MODULE mod_1

	mod_1
(REAL8 a)	

Children

1. pi_w

ATTRIBUTE pi_w

	pi_w

MODULE mod_2

example \

mod_2

Children

1. pi_wo

ATTRIBUTE pi_wo

example \ mod_2 \

pi_wo

EMBED cpp_1

example \

DATA	cpp_1
(REAL8 varcpp)	

MACRO funcmacro_1

example \

funcmacro__1
(num)

6

MACRO macro__1

example \

macro__1
(num_1, num_2)

MACRO macro__2

example \

macro__2

---

example__10

IMPORTS

intest |

DESCRIPTIONS

MODULE example__10

example__10

Children

1. mod_1

MODULE mod_1

example__10 \

mod_1

INHERITED True

example__11

IMPORTS

Inintest | Example__3 | intest.Example__3 | intest.inintest.Example__3 |
Inintest.Example__3 |

DESCRIPTIONS

`MODULE` example__11

example__11

Children

1. Example__3

`MODULE` Example__3

example__11 \

Example__3

`INHERITED`   True

example__2

DESCRIPTIONS

MODULE example__2

example__2

Basic Inheritance documentation : mod_3 inherits both mod_1 and mod_2 . Inherits v2_m1, v2_m2, Overrides v1_m1, new locals v2_m3 . Interface Inheritance : mod_4 inherits interface iface_1, overrides v1_i1

Children

1. rec_1
2. rec_2
3. rec_3
4. mod_1
5. mod_2
6. mod_3
7. iface_1
8. mod_4

RECORD rec__1

example__2 \

	rec__1

RECORD **rec__2**

	rec__2

RECORD **rec__3**

	rec__3

MODULE **mod_1**

	mod__1

Children

1. v1_m1
2. v2_m1

ATTRIBUTE **v1_m1**

`real8`	**v1__m1**

ATTRIBUTE v2_m1

example_2 \ mod_1 \

	v2__m1

MODULE mod_2

example_2 \

	mod_2

Children

1. v1_m1
2. v2_m2

ATTRIBUTE v1_m1

example_2 \ mod_2 \

	v1__m1

ATTRIBUTE v2_m2

example_2 \ mod_2 \

v2__m2

MODULE mod_3

example_2 \

mod_3

Children

1. v2_m1
2. v2_m2
3. v1_m1
4. v2_m3

ATTRIBUTE v2_m1

example_2 \ mod_3 \

v2__m1

INHERITED True

ATTRIBUTE v2_m2

example_2 \ mod_3 \

v2__m2

ATTRIBUTE v1_m1

example_2 \ mod_3 \

	v1__m1

ATTRIBUTE v2_m3

example_2 \ mod_3 \

	v2__m3

INTERFACE iface_1

example_2 \

	iface__1

Children

1. v1_i1

ATTRIBUTE v1_i1

example_2 \ iface_1 \

real8	v1__i1

MODULE mod_4

example_2 \

	mod__4

Children

1. v1_i1
2. v2_m4

ATTRIBUTE v1_i1

example_2 \ mod_4 \

	v1__i1

OVERRIDE True

ATTRIBUTE v2_m4

example_2 \ mod_4 \

STRING20	v2__m4

example__3

DESCRIPTIONS

MODULE Example_3

	Example__3

Documentation Testing Multiline Title. link@myspace.com

Sentence 1 blablalbla bbblaaaa

Sentence 2

```
blablalbla                      bbbblaaaaa

bblaaaaaaaaaa
```

PARAMETER **first** okay__1

PARAMETER **second** okay__2

PARAMETER **third** okay__3

FIELD **f1** oka__f1

FIELD **f2** oka__f2

RETURN rec__1

SEE example__1.mod__1

Children

1. mod__1

MODULE mod_1

mod_1

Children

1. v1_m1 : Doc test 2
2. v2_m1_ex3 : DOC Test 3
3. long_name

ATTRIBUTE v1_m1

v1_m1

Doc test 2. Title end by period not newline

```
ABCD ||||
CDEF ||||
```

ATTRIBUTE v2_m1_ex3

v2_m1_ex3

DOC Test 3 No Period title

FUNCTION **long_name**

Example_3 \ mod_1 \

long_name
(DATASET({REAL8 u}) X, DATASET({REAL8 u}) IntW, DATASET({REAL8 u}) Intb, REAL8 BETA=0.1, REAL8 sparsityParam=0.1 , REAL8 LAMBDA=0.001, REAL8 ALPHA=0.1, UNSIGNED2 MaxIter=100)

example__4

IMPORTS

Inintest.Example_3.mod_1 |

DESCRIPTIONS

MODULE example__4

example__4

Example : Inheritance across files mod_1 in Example_4 inherits mod_1 in Example_3

Children

1. mod_1

MODULE mod_1

example_4 \

mod__1

Children

1. v2_m1_ex3
2. v2_m1_ex4

ATTRIBUTE v2_m1_ex3

example_4 \ mod_1 \

| v2_m1_ex3 |

INHERITED True

ATTRIBUTE v2_m1_ex4

example_4 \ mod_1 \

| v2_m1_ex4 |

example__7

DESCRIPTIONS

MODULE example__7

example__7

Basic Type Example Source Code copied from ECL Documentation

Children

1. R

RECORD R

example__7 \

R

Math

DESCRIPTIONS

MODULE Math

Math

Children

1. Infinity : Return a real "infinity" value

2. NaN : Return a non-signalling NaN (Not a Number)value

3. isInfinite : Return whether a real value is infinite (positive or negative)

4. isNaN : Return whether a real value is a NaN (not a number) value

5. isFinite : Return whether a real value is a valid value (neither infinite not NaN)

6. FMod : Returns the floating-point remainder of numer/denom (rounded towards zero)

7. FMatch : Returns whether two floating point values are the same, within margin of error epsilon

ATTRIBUTE Infinity

Math \

REAL8	Infinity

Return a real "infinity" value.

ATTRIBUTE NaN

Math \

REAL8	**NaN**

Return a non-signalling NaN (Not a Number)value.

FUNCTION isInfinite

Math \

BOOLEAN	**isInfinite**
(REAL8 val)	

Return whether a real value is infinite (positive or negative).

PARAMETER **val** The value to test.

FUNCTION isNaN

Math \

BOOLEAN	**isNaN**
(REAL8 val)	

Return whether a real value is a NaN (not a number) value.

PARAMETER **val** The value to test.

FUNCTION isFinite

BOOLEAN	isFinite
(REAL8 val)	

Return whether a real value is a valid value (neither infinite not NaN).

PARAMETER **val** The value to test.

FUNCTION FMod

REAL8	FMod
(REAL8 numer, REAL8 denom)	

Returns the floating-point remainder of numer/denom (rounded towards zero). If denom is zero, the result depends on the -fdivideByZero flag: 'zero' or unset: return zero. 'nan': return a non-signalling NaN value 'fail': throw an exception

PARAMETER **numer** The numerator.

PARAMETER **denom** The numerator.

FUNCTION FMatch

BOOLEAN	FMatch
(REAL8 a, REAL8 b, REAL8 epsilon=0.0)	

Returns whether two floating point values are the same, within margin of error epsilon.

PARAMETER <u>a</u> The first value.

PARAMETER <u>b</u> The second value.

PARAMETER <u>epsilon</u> The allowable margin of error.

---

test

DESCRIPTIONS

MODULE test

	test

test module

Inintest

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Example__3

DESCRIPTIONS

MODULE Example_3

Example__3

Children

1. mod_1

MODULE mod_1

Example_3 \

mod__1

Children

1. v2__m1__ex3

ATTRIBUTE v2__m1__ex3

Example_3 \ mod_1 \

v2_m1_ex3

intest

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std | intest | Example_3 | intest.Example_3 | intest.inintest | intest.inintest.Example_3 | test | Inintest | Inintest.Example_3 |

DESCRIPTIONS

MODULE **example__11**

example__11

example__2

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DESCRIPTIONS

MODULE example__2

example__2

Basic Inheritance documentation : mod_3 inherits both mod_1 and mod_2 . Inherits v2_m1, v2_m2, Overrides v1_m1, new locals v2_m3 . Interface Inheritance : mod_4 inherits interface iface_1, overrides v1_i1

Children

1. rec_1
2. rec_2
3. rec_3
4. mod_1
5. mod_2
6. mod_3
7. iface_1
8. mod_4

RECORD rec_1

example_2 \

rec__1

RECORD rec__2

example_2 \

rec__2

RECORD rec__3

example_2 \

rec__3

MODULE mod_1

example_2 \

mod__1

Children

1. v1_m1
2. v2_m1

ATTRIBUTE v1_m1

example_2 \ mod_1 \

real8	**v1__m1**

ATTRIBUTE **v2_m1**

example_2 \ mod_1 \

	v2__m1

MODULE **mod_2**

example_2 \

	mod__2

Children

1. v1__m1
2. v2__m2

ATTRIBUTE **v1_m1**

example_2 \ mod_2 \

	v1__m1

ATTRIBUTE **v2_m2**

example_2 \ mod_2 \

v2__m2

MODULE mod_3

mod_3

Children

1. v2_m1
2. v2_m2
3. v1_m1
4. v2_m3

ATTRIBUTE v2_m1

v2__m1

INHERITED True

ATTRIBUTE v2_m2

v2__m2

ATTRIBUTE v1_m1

example_2 \ mod_3 \

	v1_m1

ATTRIBUTE v2_m3

example_2 \ mod_3 \

	v2_m3

INTERFACE iface_1

example_2 \

	iface_1

Children

1. v1_i1

ATTRIBUTE v1_i1

example_2 \ iface_1 \

real8	v1__i1

MODULE mod_4

example_2 \

	mod_4

Children

1. v1_i1
2. v2_m4

ATTRIBUTE v1_i1

example_2 \ mod_4 \

	v1__i1

OVERRIDE True

ATTRIBUTE v2_m4

example_2 \ mod_4 \

STRING20	v2__m4

example__3

DESCRIPTIONS

MODULE Example_3

	Example__3

Example : Inheritance across files mod_1 in Example_4 inherits mod_1 in Example_3

Children

1. mod_1

MODULE mod_1

Example_3 \

	mod__1

Children

1. v1_m1
2. v2_m1_ex3

ATTRIBUTE v1_m1

Example_3 \ mod_1 \

	v1_m1

ATTRIBUTE v2_m1_ex3

Example_3 \ mod_1 \

	v2_m1_ex3

---

example__4

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IMPORTS

Example_3.mod_1 |

DESCRIPTIONS

MODULE example__4

example__4

Example : Inheritance across files mod_1 in Example_4 inherits mod_1 in Example_3

Children

1. [mod_1](#)

MODULE mod_1

[example__4](#) \

mod_1

Children

1. v2_m1_ex4

2. v1_m1 : Doc test 2

3. v2_m1_ex3 : DOC Test 3

4. long_name

ATTRIBUTE v2_m1_ex4

example_4 \ mod_1 \

	v2_m1_ex4

ATTRIBUTE v1_m1

example_4 \ mod_1 \

	v1_m1

Doc test 2. Title end by period not newline

```
ABCD ||||
CDEF ||||
```

INHERITED   True

ATTRIBUTE v2_m1_ex3

example_4 \ mod_1 \

v2__m1__ex3

DOC Test 3 No Period title

INHERITED True

FUNCTION long_name

example_4 \ mod_1 \

long_name
(DATASET({REAL8 u}) X, DATASET({REAL8 u}) IntW, DATASET({REAL8 u}) Intb, REAL8 BETA=0.1, REAL8 sparsityParam=0.1 , REAL8 LAMBDA=0.001, REAL8 ALPHA=0.1, UNSIGNED2 MaxIter=100)

INHERITED True

---

example__7

DESCRIPTIONS

MODULE example__7

	example__7

Basic Type Example Source Code copied from ECL Documentation

Children

1. R

RECORD R

example__7 \

	R

in1intest

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  Example : Inheritance across files
  Example : Inheritance across files
  Basic Type Example

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DESCRIPTIONS

MODULE example_2

	example__2

Basic Inheritance documentation : mod_3 inherits both mod_1 and mod_2 . Inherits v2_m1, v2_m2, Overrides v1_m1, new locals v2_m3 . Interface Inheritance : mod_4 inherits interface iface_1, overrides v1_i1

Children

1. rec_1
2. rec_2
3. rec_3
4. mod_1
5. mod_2
6. mod_3
7. iface_1
8. mod_4

RECORD rec_1

example__2 \

rec__1

RECORD rec_2

example_2 \

rec__2

RECORD rec_3

example_2 \

rec__3

MODULE mod_1

example_2 \

mod__1

Children

1. v1_m1
2. v2_m1

ATTRIBUTE v1_m1

example_2 \ mod_1 \

real8	**v1__m1**

ATTRIBUTE v2_m1

example_2 \ mod_1 \

	v2__m1

MODULE mod_2

example_2 \

	mod__2

Children

1. v1__m1
2. v2__m2

ATTRIBUTE v1_m1

example_2 \ mod_2 \

	v1__m1

ATTRIBUTE v2_m2

example_2 \ mod_2 \

v2__m2

MODULE mod_3

mod__3

Children

1. v2_m1
2. v2_m2
3. v1_m1
4. v2_m3

ATTRIBUTE v2_m1

v2__m1

INHERITED True

ATTRIBUTE v2_m2

v2__m2

ATTRIBUTE v1_m1

example_2 \ mod_3 \

	v1_m1

OVERRIDE True

ATTRIBUTE v2_m3

example_2 \ mod_3 \

	v2_m3

INTERFACE iface_1

example_2 \

	iface_1

Children

1. v1_i1

ATTRIBUTE v1_i1

example_2 \ iface_1 \

real8	v1__i1

MODULE mod_4

example_2 \

	mod__4

Children

1. v1_i1
2. v2_m4

ATTRIBUTE v1_i1

example_2 \ mod_4 \

	v1__i1

OVERRIDE True

ATTRIBUTE v2_m4

example_2 \ mod_4 \

STRING20	v2__m4

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example__3

DESCRIPTIONS

MODULE Example_3

	Example__3

Example : Inheritance across files mod__1 in Example__4 inherits mod__1 in Example__3

Children

1. mod__1

MODULE mod_1

Example__3 \

	mod__1

Children

1. v1__m1
2. v2__m1__ex3

ATTRIBUTE v1_m1

	v1_m1

ATTRIBUTE v2_m1_ex3

	v2_m1_ex3

example__4

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IMPORTS

Example_3.mod_1 |

DESCRIPTIONS

MODULE example__4

example__4

Example : Inheritance across files mod_1 in Example_4 inherits mod_1 in Example_3

Children

1. [mod_1](#)

MODULE mod_1

[example__4](#) \

mod__1

Children

1. v2_m1_ex4

2. v1_m1 : Doc test 2

3. v2_m1_ex3 : DOC Test 3

4. long_name

ATTRIBUTE **v2_m1_ex4**

example_4 \ mod_1 \

	v2_m1_ex4

ATTRIBUTE **v1_m1**

example_4 \ mod_1 \

	v1_m1

Doc test 2. Title end by period not newline

```
ABCD ||||
CDEF ||||
```

INHERITED   True

ATTRIBUTE **v2_m1_ex3**

example_4 \ mod_1 \

v2__m1__ex3

DOC Test 3 No Period title

INHERITED True

FUNCTION long_name

example_4 \ mod_1 \

long_name
(DATASET({REAL8 u}) X, DATASET({REAL8 u}) IntW, DATASET({REAL8 u}) Intb, REAL8 BETA=0.1, REAL8 sparsityParam=0.1 , REAL8 LAMBDA=0.001, REAL8 ALPHA=0.1, UNSIGNED2 MaxIter=100)

INHERITED True

---

example__7

DESCRIPTIONS

`MODULE` example__7

	example__7

Basic Type Example Source Code copied from ECL Documentation

Children

1. R

`RECORD` R

example_7 \

	R

inintest

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example_7.ecl   Basic Type Example

example_2

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DESCRIPTIONS

MODULE example_2

example_2

Basic Inheritance documentation : mod_3 inherits both mod_1 and mod_2 . Inherits v2_m1, v2_m2, Overrides v1_m1, new locals v2_m3 . Interface Inheritance : mod_4 inherits interface iface_1, overrides v1_i1

Children

1. rec_1
2. rec_2
3. rec_3
4. mod_1
5. mod_2
6. mod_3
7. iface_1
8. mod_4

RECORD rec_1

example_2 \

rec__1

RECORD rec_2

rec__2

RECORD rec_3

rec__3

MODULE mod_1

mod__1

Children

1. v1_m1
2. v2_m1

ATTRIBUTE v1_m1

real8	**v1__m1**

ATTRIBUTE **v2_m1**

example_2 \ mod_1 \

	v2__m1

MODULE **mod_2**

example_2 \

	mod__2

Children

1. v1__m1
2. v2__m2

ATTRIBUTE **v1_m1**

example_2 \ mod_2 \

	v1__m1

ATTRIBUTE **v2_m2**

example_2 \ mod_2 \

v2__m2

MODULE mod_3

example_2 \

mod__3

Children

1. v2_m1
2. v2_m2
3. v1_m1
4. v2_m3

ATTRIBUTE v2_m1

example_2 \ mod_3 \

v2__m1

INHERITED   True

ATTRIBUTE v2_m2

example_2 \ mod_3 \

v2__m2

ATTRIBUTE v1_m1

example_2 \ mod_3 \

v1_m1

ATTRIBUTE v2_m3

example_2 \ mod_3 \

v2_m3

INTERFACE iface_1

example_2 \

iface_1

Children

1. v1_i1

ATTRIBUTE v1_i1

example_2 \ iface_1 \

real8	v1__i1

MODULE mod_4

example_2 \

	mod__4

Children

1. v1_i1
2. v2_m4

ATTRIBUTE v1_i1

example_2 \ mod_4 \

	v1__i1

OVERRIDE True

ATTRIBUTE v2_m4

example_2 \ mod_4 \

STRING20	v2__m4

example__3

IMPORTS

std.Str |

DESCRIPTIONS

MODULE Example_3

	Example__3

Example : Inheritance across files mod__1 in Example_4 inherits mod__1 in Example_3

Children

1. mod__1

MODULE mod_1

Example_3 \

	mod__1

Children

1. v1_m1

2. v2_m1_ex3

ATTRIBUTE v1_m1

Example_3 \ mod_1 \

v1_m1

ATTRIBUTE v2_m1_ex3

Example_3 \ mod_1 \

v2_m1_ex3

---

example__4

IMPORTS

Example_3.mod_1 |

DESCRIPTIONS

MODULE example__4

	example__4

Example : Inheritance across files mod_1 in Example_4 inherits mod_1 in Example_3

Children

1. mod_1

MODULE mod_1

example__4 \

	mod__1

Children

1. v2_m1_ex4

2. v1_m1 : Doc test 2

3. v2_m1_ex3 : DOC Test 3

4. long_name

ATTRIBUTE **v2_m1_ex4**

example_4 \ mod_1 \

	v2_m1_ex4

ATTRIBUTE **v1_m1**

example_4 \ mod_1 \

	v1_m1

Doc test 2. Title end by period not newline

```
ABCD ||||
CDEF ||||
```

INHERITED   True

ATTRIBUTE **v2_m1_ex3**

example_4 \ mod_1 \

v2__m1__ex3

DOC Test 3 No Period title

True

FUNCTION long_name

example_4 \ mod_1 \

long_name
(DATASET({REAL8 u}) X, DATASET({REAL8 u}) IntW, DATASET({REAL8 u}) Intb, REAL8 BETA=0.1, REAL8 sparsityParam=0.1 , REAL8 LAMBDA=0.001, REAL8 ALPHA=0.1, UNSIGNED2 MaxIter=100)

True

example__7

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DESCRIPTIONS

MODULE example__7

example__7

Basic Type Example Source Code copied from ECL Documentation

Children

1. R

RECORD R

example__7 \

R