root

Table of Contents

example

IMPORTS

DESCRIPTIONS

MODULE : example

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

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

RECORD : rec_2

INTERFACE : interface_ex

1. iface_v3

ATTRIBUTE : STRING25 iface_v3

FUNCTION : func_1(REAL8 x, STRING25 y)

FUNCTION : DATASET(rec_2) func_2(DATASET(rec_1) d)

MODULE : mod_1(REAL8 a)

1. pi_w

ATTRIBUTE : pi_w

MODULE : mod_2

1. pi_wo

ATTRIBUTE : pi_wo

EMBED : DATA cpp_1(REAL8 varcpp)

MACRO : funcmacro_1(num)

MACRO : macro_1(num_1, num_2)

MACRO : macro_2

example_2

IMPORTS

DESCRIPTIONS

MODULE : 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

RECORD : rec_1

RECORD : rec_2

RECORD : rec_3

MODULE : mod_1

ATTRIBUTE : real8 v1_m1

ATTRIBUTE : v2_m1

MODULE : mod_2

ATTRIBUTE : v1_m1

ATTRIBUTE : v2_m2

MODULE : mod_3

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

ATTRIBUTE : v2_m1

INHERITED : True

ATTRIBUTE : v2_m2

INHERITED : True

ATTRIBUTE : v1_m1

OVERRIDE : True

ATTRIBUTE : v2_m3

INTERFACE : iface_1

1. v1_i1

ATTRIBUTE : real8 v1_i1

MODULE : mod_4

1. v1_i1
2. v2_m4

ATTRIBUTE : v1_i1

OVERRIDE : True

ATTRIBUTE : STRING20 v2_m4

example_7

IMPORTS

DESCRIPTIONS

MODULE : example_7

Basic Type Example Source Code copied from ECL Documentation

1. R

RECORD : R

example__11

IMPORTS

- Inintest
- Example_3
- intest.Example_3
- intest.inintest.Example_3
- Inintest.Example_3

DESCRIPTIONS

MODULE : example__11

1. Example_3

MODULE : Example_3

OVERRIDE : True

1. mod_1

MODULE : mod_1

1. v2_m1_ex3

ATTRIBUTE : v2_m1_ex3

test

IMPORTS

DESCRIPTIONS

MODULE : test

test module

example_3

IMPORTS

DESCRIPTIONS

MODULE : 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

1. mod_1

MODULE : mod_1

1. v1_m1
2. v2_m1_ex3
3. long_name

ATTRIBUTE : v1_m1

Doc test 2. Title end by period not newline

ABCD ||||
CDEF ||||

ATTRIBUTE : v2__m1__ex3

DOC Test 3 No Period title

FUNCTION : 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)

Math

IMPORTS

DESCRIPTIONS

MODULE : Math

ATTRIBUTE : REAL8 Infinity

Return a real ”infinity” value.

ATTRIBUTE : REAL8 NaN

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

FUNCTION : BOOLEAN isInfinite(REAL8 val)

Return whether a real value is infinite (positive or negative).
Parameter : val ||| The value to test.

FUNCTION : BOOLEAN isNaN(REAL8 val)

Return whether a real value is a NaN (not a number) value.
Parameter : val ||| The value to test.

FUNCTION : BOOLEAN isFinite(REAL8 val)

Return whether a real value is a valid value (neither infinite not NaN).
Parameter : val ||| The value to test.

FUNCTION : 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 : 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 : a ||| The first value.
Parameter : b ||| The second value.
Parameter : epsilon ||| The allowable margin of error.

example_5

IMPORTS

DESCRIPTIONS

example__4

IMPORTS

- Inintest.Example_3.mod_1

DESCRIPTIONS

MODULE : example__4

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

1. mod_1

MODULE : mod_1

1. v2_m1_ex3
2. v2_m1_ex4

ATTRIBUTE : v2_m1_ex3

INHERITED : True

ATTRIBUTE : v2_m1_ex4

example_10

IMPORTS

- intest

DESCRIPTIONS

MODULE : example_10

1. mod_1

MODULE : mod_1

INHERITED : True

example__9

IMPORTS

- example__8
- example__8.mod__1

DESCRIPTIONS

Inintest

Table of Contents

Inintest.Example_3

IMPORTS

DESCRIPTIONS

MODULE : Example_3

1. mod_1

MODULE : mod_1

1. v2_m1_ex3

ATTRIBUTE : v2_m1_ex3

intest

Table of Contents

intest.example__2

IMPORTS

DESCRIPTIONS

MODULE : 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

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

RECORD : rec__2

RECORD : rec__3

MODULE : mod__1

1. v1__m1
2. v2__m1

ATTRIBUTE : real8 v1__m1

ATTRIBUTE : v2__m1

MODULE : mod__2

1. v1__m1
2. v2__m2

ATTRIBUTE : v1_m1

ATTRIBUTE : v2_m2

MODULE : mod_3

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

ATTRIBUTE : v2_m1

INHERITED : True

ATTRIBUTE : v2_m2

INHERITED : True

ATTRIBUTE : v1_m1

OVERRIDE : True

ATTRIBUTE : v2_m3

INTERFACE : iface_1

1. v1_i1

ATTRIBUTE : real8 v1_i1

MODULE : mod_4

1. v1_i1
2. v2_m4

ATTRIBUTE : v1_i1

OVERRIDE : True

ATTRIBUTE : STRING20 v2_m4

intest.example__3

IMPORTS

DESCRIPTIONS

MODULE : Example__3

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

1. mod__1

MODULE : mod__1

1. v1__m1
2. v2__m1__ex3

ATTRIBUTE : v1__m1

ATTRIBUTE : v2__m1__ex3

intest.example__7

IMPORTS

DESCRIPTIONS

MODULE : example__7

Basic Type Example Source Code copied from ECL Documentation

1. R

RECORD : R

intest.example__11

IMPORTS

- std
- intest
- Example_3
- intest.Example_3
- intest.inintest
- intest.inintest.Example_3
- test
- Inintest
- Inintest.Example_3

DESCRIPTIONS

MODULE : example__11

intest.example__5

IMPORTS

DESCRIPTIONS

intest.example__4

IMPORTS

- Example_3.mod_1

DESCRIPTIONS

MODULE : example__4

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

1. mod_1

MODULE : mod_1

1. v2_m1_ex4
2. v1_m1
3. v2_m1_ex3
4. long_name

ATTRIBUTE : v2_m1_ex4

ATTRIBUTE : v1_m1

Doc test 2. Title end by period not newline

ABCD ||||
CDEF ||||

INHERITED : True

ATTRIBUTE : v2_m1_ex3

DOC Test 3 No Period title
INHERITED : True

FUNCTION : 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

intest.example__9

IMPORTS

- example__8
- example__8.mod__1

DESCRIPTIONS

in1intest

Table of Contents

intest.in1intest.example__2

IMPORTS

DESCRIPTIONS

MODULE : 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

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

RECORD : rec__2

RECORD : rec__3

MODULE : mod__1

1. v1_m1
2. v2_m1

ATTRIBUTE : real8 v1_m1

ATTRIBUTE : v2_m1

MODULE : mod__2

1. v1_m1
2. v2_m2

ATTRIBUTE : v1_m1

ATTRIBUTE : v2_m2

MODULE : mod_3

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

ATTRIBUTE : v2_m1

INHERITED : True

ATTRIBUTE : v2_m2

INHERITED : True

ATTRIBUTE : v1_m1

OVERRIDE : True

ATTRIBUTE : v2_m3

INTERFACE : iface_1

1. v1_i1

ATTRIBUTE : real8 v1_i1

MODULE : mod_4

1. v1_i1
2. v2_m4

ATTRIBUTE : v1_i1

OVERRIDE : True

ATTRIBUTE : STRING20 v2_m4

intest.in1intest.example__3

IMPORTS

DESCRIPTIONS

MODULE : Example__3

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

1. mod__1

MODULE : mod__1

1. v1__m1
2. v2__m1__ex3

ATTRIBUTE : v1__m1

ATTRIBUTE : v2__m1__ex3

intest.in1intest.example__7

IMPORTS

DESCRIPTIONS

MODULE : example__7

Basic Type Example Source Code copied from ECL Documentation

1. R

RECORD : R

intest.in1intest.example__5

IMPORTS

DESCRIPTIONS

intest.in1intest.example__4

IMPORTS

- Example_3.mod_1

DESCRIPTIONS

MODULE : example__4

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

1. mod_1

MODULE : mod_1

1. v2_m1_ex4
2. v1_m1
3. v2_m1_ex3
4. long_name

ATTRIBUTE : v2_m1_ex4

ATTRIBUTE : v1_m1

Doc test 2. Title end by period not newline

ABCD ||||
CDEF ||||

INHERITED : True

ATTRIBUTE : v2_m1_ex3

DOC Test 3 No Period title
INHERITED : True

FUNCTION : 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

intest.in1intest.example__9

IMPORTS

- example__8
- example__8.mod__1

DESCRIPTIONS

inintest

Table of Contents

intest.inintest.example_2

IMPORTS

DESCRIPTIONS

MODULE : 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

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

RECORD : rec_2

RECORD : rec_3

MODULE : mod_1

1. v1_m1
2. v2_m1

ATTRIBUTE : real8 v1_m1

ATTRIBUTE : v2_m1

MODULE : mod_2

1. v1_m1
2. v2_m2

ATTRIBUTE : v1_m1

ATTRIBUTE : v2_m2

MODULE : mod_3

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

ATTRIBUTE : v2_m1

INHERITED : True

ATTRIBUTE : v2_m2

INHERITED : True

ATTRIBUTE : v1_m1

OVERRIDE : True

ATTRIBUTE : v2_m3

INTERFACE : iface_1

1. v1_i1

ATTRIBUTE : real8 v1_i1

MODULE : mod_4

1. v1_i1
2. v2_m4

ATTRIBUTE : v1_i1

OVERRIDE : True

ATTRIBUTE : STRING20 v2_m4

intest.inintest.example_3

IMPORTS

- std.Str

DESCRIPTIONS

MODULE : Example_3

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

1. mod_1

MODULE : mod_1

1. v1_m1
2. v2_m1_ex3

ATTRIBUTE : v1_m1

ATTRIBUTE : v2_m1_ex3

intest.inintest.example__7

IMPORTS

DESCRIPTIONS

MODULE : example__7

Basic Type Example Source Code copied from ECL Documentation

1. R

RECORD : R

intest.inintest.example_5

IMPORTS

DESCRIPTIONS

intest.inintest.example__4

IMPORTS

- Example_3.mod_1

DESCRIPTIONS

MODULE : example__4

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

1. mod_1

MODULE : mod_1

1. v2_m1_ex4
2. v1_m1
3. v2_m1_ex3
4. long_name

ATTRIBUTE : v2_m1_ex4

ATTRIBUTE : v1_m1

Doc test 2. Title end by period not newline

ABCD ||||
CDEF ||||

INHERITED : True

ATTRIBUTE : v2_m1_ex3

DOC Test 3 No Period title
INHERITED : True

FUNCTION : 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

intest.inintest.example__9

IMPORTS

- example__8
- example__8.mod__1

DESCRIPTIONS