

# root

---

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# example

---

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## DESCRIPTIONS

### **MODULE** example

example
---------

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

### Children

1. [rec\\_1](#) : No Documentation Found
  2. [rec\\_2](#) : No Documentation Found
  3. [interface\\_ex](#) : No Documentation Found
  4. [func\\_1](#) : No Documentation Found
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  6. [mod\\_1](#) : No Documentation Found
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  8. [cpp\\_1](#) : No Documentation Found
  9. [funcmacro\\_1](#) : No Documentation Found
  10. [macro\\_1](#) : No Documentation Found
  11. [macro\\_2](#) : No Documentation Found
-

## RECORD rec\_1

[example](#) \

	rec_1
--	-------

No Documentation Found

**FIELD** f ||| REAL8 — No Doc

**FIELD** g ||| REAL8 — No Doc

---

## RECORD rec\_2

[example](#) \

	rec_2
--	-------

No Documentation Found

**FIELD** g ||| REAL8 — No Doc

**FIELD** a ||| UNSIGNED4 — No Doc

**FIELD** b ||| REAL8 — No Doc

---

## INTERFACE interface\_ex

[example](#) \

	interface_ex
--	--------------

No Documentation Found

Children

1. [iface\\_v3](#) : No Documentation Found

---

## ATTRIBUTE `iface_v3`

[example](#) \ [interface\\_ex](#) \

STRING25	iface_v3
----------	----------

No Documentation Found

**RETURN** STRING25 —

---

## FUNCTION `func_1`

[example](#) \

<code>func_1</code>
(REAL8 <code>x</code> , STRING25 <code>y</code> )

No Documentation Found

**PARAMETER** y ||| STRING25 — No Doc

**PARAMETER** x ||| REAL8 — No Doc

**RETURN** REAL8 —

---

## FUNCTION `func_2`

[example](#) \

<b>DATASET</b> ( <a href="#">rec_2</a> )	<b>func_2</b>
<a href="#">(DATASET(<a href="#">rec_1</a>) d)</a>	

No Documentation Found

**PARAMETER** [d](#) ||| TABLE ( [rec\\_1](#) ) — No Doc

**RETURN** TABLE ( { UNSIGNED4 [a](#) , REAL8 [b](#) , REAL8 [g](#) } ) —

**MODULE** [mod\\_1](#)

[example](#) \

	<b>mod_1</b>
<a href="#">(REAL8 a)</a>	

No Documentation Found

**PARAMETER** [a](#) ||| REAL8 — No Doc

Children

1. [pi\\_w](#) : No Documentation Found

**ATTRIBUTE** [pi\\_w](#)

[example](#) \ [mod\\_1](#) \

	<b>pi_w</b>
--	-------------

No Documentation Found

**RETURN** REAL8 —

## MODULE mod\_2

[example \](#)

	mod_2
--	-------

No Documentation Found

### Children

1. [pi\\_wo](#) : No Documentation Found

---

## ATTRIBUTE pi\_wo

[example \](#) [mod\\_2 \](#)

	pi_wo
--	-------

No Documentation Found

**RETURN** REAL8 —

---

## EMBED cpp\_1

[example \](#)

<b>DATA</b>	cpp_1
(REAL8 varcpp)	

No Documentation Found

**PARAMETER** varcpp ||| REAL8 — No Doc

**RETURN** DATA —

---

## MACRO funcmacro\_1

example \

	funcmacro_1
(num)	

No Documentation Found

**PARAMETER** num ||| INTEGER8 — No Doc

**RETURN** BOOLEAN —

---

## MACRO macro\_1

example \

	macro_1
(num_1, num_2)	

No Documentation Found

**PARAMETER** num\_2 ||| INTEGER8 — No Doc

**PARAMETER** num\_1 ||| INTEGER8 — No Doc

**RETURN** —

## MACRO macro\_2

[example](#) \

	macro_2
--	---------

No Documentation Found

**RETURN** —

---



# example\_\_10

---

[Go Up](#)

## IMPORTS

intest |

## DESCRIPTIONS

### **MODULE** example\_\_10

	example__10
--	-------------

No Documentation Found

**PARENT** [intest.Example\\_\\_3](#) <intest/example\_\_3.ecl.tex>

### Children

1. [mod\\_\\_1](#) : No Documentation Found

---

### **MODULE** mod\_\_1

[example\\_\\_10](#) \

	mod__1
--	--------

No Documentation Found

**INHERITED**

---

# example\_\_11

---

[Go Up](#)

## IMPORTS

Inintest | Example\_\_3 | intest.Example\_\_3 | intest.inintest.Example\_\_3 |  
Inintest.Example\_\_3 |

## DESCRIPTIONS

### **MODULE** example\_\_11

	example__11
--	-------------

No Documentation Found

**PARENT** Inintest </media/sarthak/Data/ecldoc/testing/test-docs/tex/root/Inintest/pkg.toc.tex>

### Children

1. [Example\\_\\_3](#) : No Documentation Found

---

### **MODULE** Example\_\_3

[example\\_\\_11](#) \

<b>Example_3</b>
------------------

No Documentation Found

**INHERITED**

---

# example\_\_2

---

[Go Up](#)

## 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](#) : No Documentation Found
2. [rec\\_\\_2](#) : No Documentation Found
3. [rec\\_\\_3](#) : No Documentation Found
4. [mod\\_\\_1](#) : No Documentation Found
5. [mod\\_\\_2](#) : No Documentation Found
6. [mod\\_\\_3](#) : No Documentation Found
7. [iface\\_\\_1](#) : No Documentation Found
8. [mod\\_\\_4](#) : No Documentation Found

---

### **RECORD** rec\_\_1

[example\\_\\_2 \](#)

	rec_1
--	-------

No Documentation Found

**FIELD** v1 ||| REAL8 — No Doc

---

**RECORD** rec\_2

[example\\_2](#) \

	rec_2
--	-------

No Documentation Found

**FIELD** v2 ||| REAL8 — No Doc

**FIELD** v1 ||| REAL8 — No Doc

---

**RECORD** rec\_3

[example\\_2](#) \

	rec_3
--	-------

No Documentation Found

**FIELD** v3 ||| REAL8 — No Doc

**FIELD** v1 ||| REAL8 — No Doc

---

## MODULE mod\_1

[example\\_2 \](#)

	mod_1
--	-------

No Documentation Found

### Children

1. [v1\\_m1](#) : No Documentation Found
2. [v2\\_m1](#) : No Documentation Found

---

## ATTRIBUTE v1\_m1

[example\\_2 \ mod\\_1 \](#)

real8	v1_m1
-------	-------

No Documentation Found

**RETURN** REAL8 —

---

## ATTRIBUTE v2\_m1

[example\\_2 \ mod\\_1 \](#)

	v2_m1
--	-------

No Documentation Found

**RETURN** REAL8 —

## MODULE mod\_2

[example\\_2 \](#)

	mod_2
--	-------

No Documentation Found

### Children

1. [v1\\_m1](#) : No Documentation Found
2. [v2\\_m2](#) : No Documentation Found

---

## ATTRIBUTE v1\_m1

[example\\_2 \ mod\\_2 \](#)

	v1_m1
--	-------

No Documentation Found

**RETURN** REAL8 —

---

## ATTRIBUTE v2\_m2

[example\\_2 \ mod\\_2 \](#)

	v2_m2
--	-------

No Documentation Found

**RETURN** REAL8 —



## MODULE mod\_3

[example\\_2 \](#)

	mod_3
--	-------

No Documentation Found

**PARENT** [example\\_2.mod\\_2](#) <example\_2.ecl.tex>

**PARENT** [example\\_2.mod\\_1](#) <example\_2.ecl.tex>

### Children

1. [v2\\_m1](#) : No Documentation Found
2. [v2\\_m2](#) : No Documentation Found
3. [v1\\_m1](#) : No Documentation Found
4. [v2\\_m3](#) : No Documentation Found

---

## ATTRIBUTE v2\_m1

[example\\_2 \](#) [mod\\_3 \](#)

	v2_m1
--	-------

No Documentation Found

**RETURN** REAL8 —

**INHERITED**

---

## ATTRIBUTE v2\_m2

[example\\_2 \ mod\\_3 \](#)

	v2_m2
--	-------

No Documentation Found

**RETURN** REAL8 —

**INHERITED**

---

## ATTRIBUTE v1\_m1

[example\\_2 \ mod\\_3 \](#)

	v1_m1
--	-------

No Documentation Found

**RETURN** REAL8 —

**OVERRIDE**

---

## ATTRIBUTE v2\_m3

[example\\_2 \ mod\\_3 \](#)

	v2_m3
--	-------

No Documentation Found

**RETURN** REAL8 —

---

## INTERFACE iface\_1

[example\\_2 \](#)

	iface_1
--	---------

No Documentation Found

### Children

1. [v1\\_i1](#) : No Documentation Found

---

## ATTRIBUTE v1\_i1

[example\\_2 \](#) [iface\\_1 \](#)

real8	v1_i1
-------	-------

No Documentation Found

**RETURN** REAL8 —

---

## MODULE mod\_4

[example\\_2 \](#)

	mod_4
--	-------

No Documentation Found

**PARENT** [example\\_2.iface\\_1](#) <[example\\_2.ecl.tex](#)>

### Children

1. [v1\\_i1](#) : No Documentation Found
2. [v2\\_m4](#) : No Documentation Found

---

## ATTRIBUTE **v1\_i1**

[example\\_2](#) \ [mod\\_4](#) \

	<b>v1_i1</b>
--	--------------

No Documentation Found

**RETURN** REAL8 —

**OVERRIDE**

---

## ATTRIBUTE **v2\_m4**

[example\\_2](#) \ [mod\\_4](#) \

<b>STRING20</b>	<b>v2_m4</b>
-----------------	--------------

No Documentation Found

**RETURN** STRING20 —

---

# example\_\_3

---

[Go Up](#)

## DESCRIPTIONS

MODULE

Example\_3

	Example_3
--	-----------

Documentation Testing Multiline Title. [link@myspace.com](#)

Sentence 1 blablalbla bbbblaaaa

Sentence 2

blablalbla

bbbblaaaaa

bbblaaaaaaaaa

PARAMETER

third ||| — okay\_3

PARAMETER

second ||| — okay\_2

PARAMETER

first ||| — okay\_1

FIELD

f1 ||| — oka\_f1

FIELD

f2 ||| — oka\_f2

RETURN

— rec\_1

SEE

[example\\_1.mod\\_1](#)

**AUTHOR** example\_1.sarthakjain

## Children

1. [mod\\_1](#) : No Documentation Found
- 

## **MODULE** mod\_1

[Example\\_3](#) \

	<b>mod_1</b>
--	--------------

No Documentation Found

## Children

1. [v1\\_m1](#) : Doc test 2
  2. [v2\\_m1\\_ex3](#) : DOC Test 3
  3. [abc](#) : No Documentation Found
  4. [long\\_name](#) : No Documentation Found
- 

## **ATTRIBUTE** v1\_m1

[Example\\_3](#) \ [mod\\_1](#) \

	<b>v1_m1</b>
--	--------------

Doc test 2. Title end by period not newline

ABCD ||||  
CDEF ||||

**RETURN** REAL8 —

---

**ATTRIBUTE** v2\_m1\_ex3

[Example\\_3 \ mod\\_1 \](#)

	v2_m1_ex3
--	-----------

DOC Test 3 No Period title

**RETURN** REAL8 —

---

**FUNCTION** abc

[Example\\_3 \ mod\\_1 \](#)

REAL8	abc
(REAL8 x)	

No Documentation Found

**PARAMETER** x ||| REAL8 — No Doc

**RETURN** REAL8 —

---

**FUNCTION** long\_name

[Example\\_3 \ mod\\_1 \](#)

<b>long_name</b>
(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)

No Documentation Found

**PARAMETER** maxiter ||| UNSIGNED2 — No Doc

**PARAMETER** intb ||| TABLE ( { REAL8 u } ) — No Doc

**PARAMETER** alpha ||| REAL8 — No Doc

**PARAMETER** beta ||| REAL8 — No Doc

**PARAMETER** intw ||| TABLE ( { REAL8 u } ) — No Doc

**PARAMETER** sparsityparam ||| REAL8 — No Doc

**PARAMETER** x ||| TABLE ( { REAL8 u } ) — No Doc

**PARAMETER** lambda ||| REAL8 — No Doc

**RETURN** REAL8 —

---



# example\_\_4

---

[Go Up](#)

## 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](#) : No Documentation Found

---

### **MODULE** mod\_\_1

[example\\_\\_4](#) \

	mod__1
--	--------

No Documentation Found

**PARENT** Inintest.Example\_3.mod\_1 <Inintest/Example\_3.ecl.tex>

## Children

1. [v2\\_m1\\_ex3](#) : No Documentation Found
2. [v2\\_m1\\_ex4](#) : No Documentation Found

---

## **ATTRIBUTE** v2\_m1\_ex3

[example\\_4](#) \ [mod\\_1](#) \

	v2_m1_ex3
--	-----------

No Documentation Found

**RETURN** REAL8 —

## **INHERITED**

---

## **ATTRIBUTE** v2\_m1\_ex4

[example\\_4](#) \ [mod\\_1](#) \

	v2_m1_ex4
--	-----------

No Documentation Found

**RETURN** REAL8 —

# example\_\_6

---

[Go Up](#)

## DESCRIPTIONS

### **MODULE** example\_\_6

	example__6
--	------------

Module Hierarchy Example : mod\_1 -> mod\_11 -> mod\_111 . Inheritance across Hierarchy : mod\_2 inherits mod\_1.mod\_11 , mod\_3.mod\_31 inherits mod\_1.mod\_11 , mod\_4 inherits mod\_3.mod\_31, mod\_2 , mod\_5 inherits mod\_1 and mod\_1.mod\_11

#### Children

1. [mod\\_1](#) : No Documentation Found
2. [mod\\_2](#) : No Documentation Found
3. [mod\\_3](#) : No Documentation Found
4. [mod\\_4](#) : No Documentation Found
5. [mod\\_5](#) : No Documentation Found

---

### **MODULE** mod\_\_1

[example\\_\\_6 \](#)

	mod__1
--	--------

No Documentation Found

#### Children

1. [v1\\_m1](#) : No Documentation Found
2. [mod\\_11](#) : No Documentation Found

---

## ATTRIBUTE [v1\\_m1](#)

[example\\_6](#) \ [mod\\_1](#) \

<a href="#">v1_m1</a>
-----------------------

No Documentation Found

**RETURN** REAL8 —

---

## MODULE [mod\\_11](#)

[example\\_6](#) \ [mod\\_1](#) \

<a href="#">mod_11</a>
( <a href="#">real8</a> <a href="#">a_11</a> )

No Documentation Found

**PARAMETER** [a\\_11](#) ||| REAL8 — No Doc

### Children

1. [v1\\_m11](#) : No Documentation Found
2. [mod\\_111](#) : No Documentation Found

## ATTRIBUTE v1\_m11

[example\\_6](#) \ [mod\\_1](#) \ [mod\\_11](#) \

	v1_m11
--	--------

No Documentation Found

## RETURN REAL8 —

## MODULE mod\_111

[example\\_6](#) \ [mod\\_1](#) \ [mod\\_11](#) \

	mod_111
(real8 a_111)	

No Documentation Found

## PARAMETER a\_111 ||| REAL8 — No Doc

### Children

1. [v1\\_m111](#) : No Documentation Found

## ATTRIBUTE v1\_m111

[example\\_6](#) \ [mod\\_1](#) \ [mod\\_11](#) \ [mod\\_111](#) \

	v1_m111
--	---------

No Documentation Found

**RETURN** REAL8 —

---

## **MODULE** mod\_2

[example\\_6 \](#)

	mod_2
--	-------

No Documentation Found

**PARENT** [example\\_6.mod\\_1.mod\\_11](#) <example\_6.ecl.tex>

### Children

1. [v1\\_m11](#) : No Documentation Found
  2. [mod\\_111](#) : No Documentation Found
  3. [v1\\_m2](#) : No Documentation Found
- 

## **ATTRIBUTE** v1\_m11

[example\\_6 \](#) [mod\\_2 \](#)

	v1_m11
--	--------

No Documentation Found

**RETURN** REAL8 —

**INHERITED**

---

## MODULE mod\_111

[example\\_6 \ mod\\_2 \](#)

	mod_111
	(real8 a_111)

No Documentation Found

**PARAMETER** a\_111 ||| REAL8 — No Doc

## INHERITED

---

## ATTRIBUTE v1\_m2

[example\\_6 \ mod\\_2 \](#)

	v1_m2
--	-------

No Documentation Found

**RETURN** REAL8 —

---

## MODULE mod\_3

[example\\_6 \](#)

	mod_3
--	-------

No Documentation Found

Children

1. [v1\\_m3](#) : No Documentation Found
2. [mod\\_31](#) : No Documentation Found

---

## ATTRIBUTE [v1\\_m3](#)

[example\\_6](#) \ [mod\\_3](#) \

	<a href="#">v1_m3</a>
--	-----------------------

No Documentation Found

**RETURN** REAL8 —

---

## MODULE [mod\\_31](#)

[example\\_6](#) \ [mod\\_3](#) \

	<a href="#">mod_31</a>
--	------------------------

No Documentation Found

**PARENT** [example\\_6.mod\\_1.mod\\_11](#) <[example\\_6.ecl.tex](#)>

### Children

1. [v1\\_m11](#) : No Documentation Found
2. [mod\\_111](#) : No Documentation Found
3. [v1\\_m31](#) : No Documentation Found



## ATTRIBUTE v1\_m11

[example\\_6](#) \ [mod\\_3](#) \ [mod\\_31](#) \

	v1_m11
--	--------

No Documentation Found

**RETURN** REAL8 —

**INHERITED**

---

## MODULE mod\_111

[example\\_6](#) \ [mod\\_3](#) \ [mod\\_31](#) \

	mod_111
(real8 a_111)	

No Documentation Found

**PARAMETER** a\_111 ||| REAL8 — No Doc

**INHERITED**

---

## ATTRIBUTE v1\_m31

[example\\_6](#) \ [mod\\_3](#) \ [mod\\_31](#) \

	v1_m31
--	--------

No Documentation Found

**RETURN** REAL8 —

---

## **MODULE** mod\_4

[example\\_6](#) \

	mod_4
--	-------

No Documentation Found

**PARENT** [example\\_6.mod\\_3.mod\\_31](#) <example\_6.ecl.tex>

**PARENT** [example\\_6.mod\\_2](#) <example\_6.ecl.tex>

### Children

1. [v1\\_m11](#) : No Documentation Found
  2. [mod\\_111](#) : No Documentation Found
  3. [v1\\_m2](#) : No Documentation Found
  4. [v1\\_m31](#) : No Documentation Found
  5. [v1\\_m4](#) : No Documentation Found
- 

## **ATTRIBUTE** v1\_m11

[example\\_6](#) \ [mod\\_4](#) \

	v1_m11
--	--------

No Documentation Found

**RETURN** REAL8 —

**INHERITED**

---

## MODULE mod\_111

[example\\_6 \ mod\\_4 \](#)

	mod_111
	(real8 a_111)

No Documentation Found

**PARAMETER** a\_111 ||| REAL8 — No Doc

**INHERITED**

---

## ATTRIBUTE v1\_m2

[example\\_6 \ mod\\_4 \](#)

	v1_m2
--	-------

No Documentation Found

**RETURN** REAL8 —

**INHERITED**

---

## ATTRIBUTE v1\_m31

[example\\_6 \ mod\\_4 \](#)

	v1_m31
--	--------

No Documentation Found

**RETURN** REAL8 —

**INHERITED**

---

**ATTRIBUTE** v1\_m4

[example\\_6](#) \ [mod\\_4](#) \

	v1_m4
--	-------

No Documentation Found

**RETURN** REAL8 —

---

**MODULE** mod\_5

[example\\_6](#) \

	mod_5
--	-------

No Documentation Found

**PARENT** [example\\_6.mod\\_1](#) <[example\\_6.ecl.tex](#)>

**PARENT** [example\\_6.mod\\_1.mod\\_11](#) <[example\\_6.ecl.tex](#)>

## Children

1. [v1\\_m1](#) : No Documentation Found
2. [mod\\_11](#) : No Documentation Found
3. [v1\\_m11](#) : No Documentation Found
4. [mod\\_111](#) : No Documentation Found
5. [v1\\_m5](#) : No Documentation Found

## ATTRIBUTE v1\_m1

[example\\_6](#) \ [mod\\_5](#) \

	v1_m1
--	-------

No Documentation Found

**RETURN** REAL8 —

**INHERITED**

---

## MODULE mod\_11

[example\\_6](#) \ [mod\\_5](#) \

	mod_11
	(real8 a_11)

No Documentation Found

**PARAMETER** a\_11 ||| REAL8 — No Doc

**INHERITED**

---

## ATTRIBUTE v1\_m11

[example\\_6](#) \ [mod\\_5](#) \

	v1_m11
--	--------

No Documentation Found

**RETURN** REAL8 —

**INHERITED**

---

**MODULE** mod\_111

[example\\_6 \ mod\\_5 \](#)

	mod_111
	(real8 a_111)

No Documentation Found

**PARAMETER** a\_111 ||| REAL8 — No Doc

**INHERITED**

---

**ATTRIBUTE** v1\_m5

[example\\_6 \ mod\\_5 \](#)

	v1_m5
--	-------

No Documentation Found

**RETURN** REAL8 —

---

# example\_\_7

---

[Go Up](#)

## DESCRIPTIONS

### **MODULE** example\_\_7

	example__7
--	------------

Basic Type Example Source Code copied from ECL Documentation

#### Children

1. [R](#) : No Documentation Found

---

### **RECORD** R

[example\\_\\_7 \](#)

	R
--	---

No Documentation Found

**FIELD** f3 ||| SCALEINT — No Doc

**FIELD** f1 ||| REVERSESTRING4 — No Doc

**FIELD** f2 ||| NEEDC — No Doc

# example\_\_8

---

[Go Up](#)

## DESCRIPTIONS

### **MODULE** example\_\_8

	example__8
--	------------

Three level Hierarchy Example . Inheritance across Hierarchy . Problems with Type System – PROJECT Expression does not maintain record typename (rec\_2) but do maintain record structure . IE mod\_2.v1\_m2 should be but shown . has same structure as record .

#### Children

1. [mod\\_1](#) : No Documentation Found
  2. [mod\\_2](#) : No Documentation Found
- 

### **MODULE** mod\_1

[example\\_\\_8 \](#)

	mod_1
--	-------

No Documentation Found

#### Children

1. [rec\\_1](#) : No Documentation Found
2. [mod\\_11](#) : No Documentation Found



---

## **RECORD** rec\_1

[example\\_8](#) \ [mod\\_1](#) \

	rec_1
--	-------

No Documentation Found

**FIELD** a ||| REAL8 — No Doc

---

## **MODULE** mod\_11

[example\\_8](#) \ [mod\\_1](#) \

	mod_11
--	--------

No Documentation Found

### Children

1. [v1\\_m11](#) : No Documentation Found

---

## **ATTRIBUTE** v1\_m11

[example\\_8](#) \ [mod\\_1](#) \ [mod\\_11](#) \

	v1_m11
--	--------

No Documentation Found

**RETURN** TABLE ( rec\_1 ) —

---

## MODULE mod\_2

[example\\_8 \](#)

	mod_2
--	-------

No Documentation Found

**PARENT** [example\\_8.mod\\_1.mod\\_11](#) <example\_8.ecl.tex>

### Children

1. [v1\\_m11](#) : No Documentation Found
2. [rec\\_2](#) : No Documentation Found
3. [v1\\_m2](#) : No Documentation Found

---

## ATTRIBUTE v1\_m11

[example\\_8 \](#) [mod\\_2 \](#)

	v1_m11
--	--------

No Documentation Found

**RETURN** TABLE ( [rec\\_1](#) ) —

**INHERITED**

---

## **RECORD** rec\_2

[example\\_8 \ mod\\_2 \](#)

	rec_2
--	-------

No Documentation Found

**FIELD** b ||| REAL8 — No Doc

---

## **FUNCTION** v1\_m2

[example\\_8 \ mod\\_2 \](#)

	v1_m2
(REAL8 ag_1)	

No Documentation Found

**PARAMETER** ag\_1 ||| REAL8 — No Doc

**RETURN** TABLE ( { REAL8 b } ) —

---

# Math

---

[Go Up](#)

## DESCRIPTIONS

### **MODULE** Math

	Math
--	------

No Documentation Found

### 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](#) \

<b>REAL8</b>	Infinity
--------------	----------

Return a real "infinity" value.

**RETURN** REAL8 —

---

## **ATTRIBUTE** NaN

Math \

REAL8	NaN
-------	-----

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

**RETURN** REAL8 —

---

## **FUNCTION** isInfinite

Math \

BOOLEAN	isInfinite
(REAL8 val)	

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

**PARAMETER** val ||| REAL8 — The value to test.

**RETURN** BOOLEAN —

---

## **FUNCTION** isNaN

Math \

<b>BOOLEAN</b>	<b>isNaN</b>
(REAL8 val)	

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

**PARAMETER** val ||| REAL8 — The value to test.

**RETURN** BOOLEAN —

---

## FUNCTION isFinite

Math \

<b>BOOLEAN</b>	<b>isFinite</b>
(REAL8 val)	

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

**PARAMETER** val ||| REAL8 — The value to test.

**RETURN** BOOLEAN —

---

## FUNCTION FMod

Math \

<b>REAL8</b>	<b>FMod</b>
(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 ||| REAL8 — The numerator.

**PARAMETER** denom ||| REAL8 — The denominator.

**RETURN** REAL8 —

---

## FUNCTION FMatch

Math \

<b>BOOLEAN</b>	<b>FMatch</b>
(REAL8 a, REAL8 b, REAL8 epsilon=0.0)	

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

**PARAMETER** epsilon ||| REAL8 — The allowable margin of error.

**PARAMETER** a ||| REAL8 — The first value.

**PARAMETER** b ||| REAL8 — The second value.

**RETURN** BOOLEAN —

---

# test

---

[Go Up](#)

## DESCRIPTIONS

**MODULE** test

	test
--	------

test module

---



# types

---

[Go Up](#)

## DESCRIPTIONS

### **MODULE** types

	types
--	-------

No Documentation Found

### Children

1. [v1](#) : No Documentation Found
2. [mod\\_1](#) : No Documentation Found
3. [mod\\_1\\_1](#) : No Documentation Found
4. [mod\\_2](#) : No Documentation Found
5. [mod\\_3](#) : No Documentation Found
6. [mod\\_4](#) : No Documentation Found
7. [mod\\_41](#) : No Documentation Found
8. [mod\\_5](#) : [mod\\_5](#)
9. [mod\\_6](#) : No Documentation Found
10. [mod\\_7](#) : No Documentation Found
11. [mod\\_8](#) : No Documentation Found
12. [mod\\_9](#) : No Documentation Found
13. [mod\\_90](#) : No Documentation Found
14. [mod\\_10](#) : No Documentation Found
15. [mod\\_11](#) : No Documentation Found

- 16. [D1](#) : No Documentation Found
- 17. [mod\\_12](#) : No Documentation Found
- 18. [mod\\_13](#) : No Documentation Found
- 19. [v2](#) : No Documentation Found
- 20. [v1tov2](#) : No Documentation Found
- 21. [mod\\_14](#) : No Documentation Found
- 22. [mod\\_15](#) : No Documentation Found
- 23. [v4](#) : No Documentation Found
- 24. [v5](#) : No Documentation Found
- 25. [v5\\_1](#) : No Documentation Found
- 26. [mod\\_17](#) : No Documentation Found
- 27. [mod\\_18](#) : No Documentation Found
- 28. [mod\\_19](#) : No Documentation Found
- 29. [mod\\_20](#) : No Documentation Found
- 30. [mod\\_21](#) : No Documentation Found
- 31. [mod\\_22](#) : No Documentation Found
- 32. [mod\\_23](#) : No Documentation Found
- 33. [mod\\_24](#) : No Documentation Found
- 34. [mod\\_25](#) : No Documentation Found
- 35. [mod\\_26](#) : No Documentation Found
- 36. [mod\\_27](#) : No Documentation Found

---

**RECORD v1**

[types](#) \

	<b>v1</b>
--	-----------

No Documentation Found

**FIELD** v ||| REAL8 — No Doc

**FIELD** u ||| REAL8 — No Doc

---

## ATTRIBUTE mod\_1

types \

<b>DATASET</b> (v1)	mod_1
---------------------	-------

No Documentation Found

**RETURN** TABLE ( { REAL8 u , REAL8 v } ) —

---

## FUNCTION mod\_1\_1

types \

	mod_1_1
(typeof(mod_1) x)	

No Documentation Found

**PARAMETER** x ||| TABLE ( { REAL8 u , REAL8 v } ) — No Doc

**RETURN** TABLE ( { REAL8 u , REAL8 v } ) —

---

## ATTRIBUTE mod\_2

types \

<code>DATASET({STRING20 a})</code>	<code>mod_2</code>
------------------------------------	--------------------

No Documentation Found

**RETURN** TABLE ( { STRING20 a } ) —

**ATTRIBUTE** mod\_3

types \

	<code>mod_3</code>
--	--------------------

No Documentation Found

**RETURN** UNSIGNED8 —

**ATTRIBUTE** mod\_4

types \

	<code>mod_4</code>
--	--------------------

No Documentation Found

**RETURN** UNSIGNED8 —

**MODULE** mod\_41

types \

	<b>mod_41</b>
--	---------------

No Documentation Found

Children

1. [v41](#) : No Documentation Found

**ATTRIBUTE** v41

[types](#) \ [mod\\_41](#) \

	<b>v41</b>
--	------------

No Documentation Found

**RETURN** REAL8 —

**MODULE** mod\_5

[types](#) \

	<b>mod_5</b>
	<a href="#">(REAL8 x)</a>

mod\_5

**PARAMETER** x ||| REAL8 — abcd

**RETURN** — module

Children

1. [v6](#) : No Documentation Found

---

**ATTRIBUTE** **v6**

[types \ mod\\_5 \](#)

	<b>v6</b>
--	-----------

No Documentation Found

**RETURN** **REAL8** —

---

**MODULE** **mod\_6**

[types \](#)

	<b>mod_6</b>
<a href="#">(REAL8 x)</a>	

No Documentation Found

**PARAMETER** **x** ||| **REAL8** — No Doc

**Children**

1. [v6](#) : No Documentation Found

---

**ATTRIBUTE** **v6**

[types \ mod\\_6 \](#)

	v6
--	----

No Documentation Found

**RETURN** REAL8 —

**FUNCTION** mod\_7

types \

	mod_7
(mod_5 y, REAL8 z)	

No Documentation Found

**PARAMETER** y ||| FUNCTION [ REAL8 ] ( MODULE ( mod\_5 ) ) — No Doc

**PARAMETER** z ||| REAL8 — No Doc

**RETURN** REAL8 —

**FUNCTION** mod\_8

types \

	mod_8
(mod_3 a1)	

No Documentation Found

**PARAMETER** a1 ||| UNSIGNED8 — No Doc

**RETURN** INTEGER8 —

## FUNCTION mod\_9

types \

	mod_9
(mod_7 x)	

No Documentation Found

**PARAMETER** x ||| FUNCTION [ FUNCTION [ REAL8 ] ( MODULE ( mod\_5 ) ) , REAL8 ] ( REAL8 ) — No Doc

**RETURN** REAL8 —

---

## FUNCTION mod\_90

types \

	mod_90
(REAL8 z)	

No Documentation Found

**PARAMETER** z ||| REAL8 — No Doc

**RETURN** REAL8 —

---

## RECORD mod\_10

types \

	mod_10
--	--------

No Documentation Found



**FIELD** u ||| REAL8 — No Doc

---

## **FUNCTION** mod\_11

types \

	mod_11
(DATASET(mod_10) y)	

No Documentation Found

**PARAMETER** y ||| TABLE ( mod\_10 ) — No Doc

**RETURN** TABLE ( mod\_10 ) —

---

## **ATTRIBUTE** D1

types \

	D1
--	----

No Documentation Found

**RETURN** TABLE ( { UNSIGNED4 F1 , REAL8 f2 , REAL8 f3 } ) —

---

## **RECORD** mod\_12

types \

	mod_12
--	--------

No Documentation Found

**FIELD** f1 ||| UNSIGNED4 — No Doc

**FIELD** gcount ||| INTEGER8 — No Doc

---

## **ATTRIBUTE** mod\_13

types \

	mod_13
--	--------

No Documentation Found

**RETURN** TABLE ( { UNSIGNED4 F1 , INTEGER8 gcount } ) —

---

## **RECORD** v2

types \

	v2
--	----

No Documentation Found

**FIELD** w2 ||| UNSIGNED4 — No Doc

**FIELD** w1 ||| UNSIGNED4 — No Doc

**FIELD** w3 ||| UNSIGNED4 — No Doc

## TRANSFORM v1tov2

types \

v2	v1tov2
(v1 x)	

No Documentation Found

**PARAMETER** x ||| ROW ( v1 ) — No Doc

**RETURN** v2 —

---

## ATTRIBUTE mod\_14

types \

typeof(mod_1)	mod_14
---------------	--------

No Documentation Found

**RETURN** TABLE ( v1 ) —

---

## ATTRIBUTE mod\_15

types \

DATASET(v3)	mod_15
-------------	--------

No Documentation Found

**RETURN** TABLE ( v3 ) —

---

## RECORD v4

types \

	v4
--	----

No Documentation Found

**FIELD** w2 ||| UNSIGNED4 — No Doc

**FIELD** w4 ||| REAL8 — No Doc

**FIELD** w1 ||| UNSIGNED4 — No Doc

**FIELD** w3 ||| UNSIGNED4 — No Doc

---

## RECORD v5

types \

	v5
--	----

No Documentation Found

**FIELD** w1 ||| UNSIGNED4 — No Doc

**FIELD** v ||| REAL8 — No Doc

**FIELD** w3 ||| UNSIGNED4 — No Doc

**FIELD** w4 ||| REAL8 — No Doc

**FIELD** u ||| REAL8 — No Doc

**FIELD** w2 ||| UNSIGNED4 — No Doc

**FIELD** w5 ||| TABLE ( v2 ) — No Doc

---

## FUNCTION v5\_1

types \

	v5_1
(DATASET({v5, real8 y}) x)	

No Documentation Found

**PARAMETER**  $\underline{x}$  ||| TABLE ( { REAL8 u , REAL8 v , UNSIGNED4 w1 , UNSIGNED4 w2 , UNSIGNED4 w3 , REAL8 w4 , TABLE ( v2 ) w5 , REAL8 y } ) — No Doc

**RETURN** TABLE ( { REAL8 u , REAL8 v , UNSIGNED4 w1 , UNSIGNED4 w2 , UNSIGNED4 w3 , REAL8 w4 , TABLE ( v2 ) w5 , REAL8 y } ) —

---

## TRANSFORM mod\_17

types \

{ REAL8 a }	mod_17
(v1 x)	

No Documentation Found

**PARAMETER**  $\underline{x}$  ||| ROW ( v1 ) — No Doc

**RETURN** { REAL8 a } —

---

## FUNCTION mod\_18

types \

	mod_18
(REAL8 x(REAL8 z), REAL8 y)	

No Documentation Found

**PARAMETER** y ||| REAL8 — No Doc

**PARAMETER** x ||| FUNCTION [ REAL8 ] ( REAL8 ) — No Doc

**RETURN** REAL8 —

---

## **FUNCTION** mod\_19

types \

	mod_19
	(REAL8 w)

No Documentation Found

**PARAMETER** w ||| REAL8 — No Doc

**RETURN** REAL8 —

---

## **FUNCTION** mod\_20

types \

	mod_20
	(mod_19 x)

No Documentation Found

**PARAMETER** x ||| FUNCTION [ REAL8 ] ( REAL8 ) — No Doc

**RETURN** REAL8 —

---

## ATTRIBUTE mod\_21

types \

	mod_21
--	--------

No Documentation Found

RETURN REAL8 —

---

## FUNCTION mod\_22

types \

	mod_22
(REAL8 w)	

No Documentation Found

PARAMETER w ||| REAL8 — No Doc

RETURN REAL8 —

---

## ATTRIBUTE mod\_23

types \

	mod_23
--	--------

No Documentation Found

RETURN REAL8 —

---

## FUNCTION mod\_24

types \

	mod_24
(REAL8 y(REAL8 z(REAL8 u)), REAL8 x(REAL8 y))	

No Documentation Found

**PARAMETER** y ||| FUNCTION [ FUNCTION [ REAL8 ] ( REAL8 ) ] ( REAL8 ) — No Doc

**PARAMETER** x ||| FUNCTION [ REAL8 ] ( REAL8 ) — No Doc

**RETURN** REAL8 —

---

## FUNCTION mod\_25

types \

REAL8	mod_25
(REAL8 x(REAL8 y))	

No Documentation Found

**PARAMETER** x ||| FUNCTION [ REAL8 ] ( REAL8 ) — No Doc

**RETURN** REAL8 —

---

## ATTRIBUTE mod\_26

types \

	mod_26
--	--------

No Documentation Found



**RETURN** REAL8 —

---

**ATTRIBUTE** mod\_27

types \

mod_1	mod_27
-------	--------

No Documentation Found

**RETURN** TABLE ( { REAL8 u , REAL8 v } ) —

---