

File created: 17-Feb-88 16:42:23 {ERINYES}<CATE3>LOOPS>LOOPS-TESTER-2-1.;6

changes to: (FUNCTIONS |LT-2.1-SetName-BASIC| |LT-2.1-GetObjectNames-BASIC| |LT-2.1-UnSetName-MORE-1|
|LT-2.1-UnSetName-BASIC| |LT-2.1-Rename-MORE-1| |LT-2.1-Rename-BASIC|
|LT-2.1-GetObjectsNames-BASIC| LT-2.1-DOLLAR-EX-BASIC-ERROR LT-2.1-DOLLAR-EX-BASIC
LT-2.1-DOLLAR-BASIC-ERROR LT-2.1-DOLLAR-BASIC LOOPS-TESTER-2.1 TEMP4)
(VARS LOOPS-TESTER-2-1COMS)

previous date: 17-Feb-88 15:18:28 {ERINYES}<CATE3>LOOPS>LOOPS-TESTER-2-1.;4

Read Table: XCL

Package: INTERLISP

Format: XCCS

```
(RPAQQ LOOPS-TESTER-2-1COMS ((FUNCTIONS LOOPS-TESTER-2.1 LT-2.1-DOLLAR-BASIC LT-2.1-DOLLAR-BASIC-ERROR
                                  LT-2.1-DOLLAR-EX-BASIC LT-2.1-DOLLAR-EX-BASIC-ERROR
                                  |LT-2.1-GetObjectNames-BASIC| |LT-2.1-Rename-BASIC| |LT-2.1-Rename-MORE-1|
                                  |LT-2.1-SetName-BASIC| |LT-2.1-UnSetName-BASIC| |LT-2.1-UnSetName-MORE-1|))
)
```

(CL:DEFUN **LOOPS-TESTER-2.1** (&OPTIONAL (DETAIL-RESULTS NIL))

"Run each test for section 2.1"

(CL:APPLY (CL:IF DETAIL-RESULTS

'LIST

'AND)

(LIST (**LT-2.1-DOLLAR-BASIC**)

(**LT-2.1-DOLLAR-BASIC-ERROR**)

(**LT-2.1-DOLLAR-EX-BASIC**)

(**LT-2.1-DOLLAR-EX-BASIC-ERROR**)

(|**LT-2.1-SetName-BASIC**|)

(|**LT-2.1-UnSetName-BASIC**|)

(|**LT-2.1-UnSetName-MORE-1**|)

(|**LT-2.1-Rename-BASIC**|)

(|**LT-2.1-Rename-MORE-1**|)

(|**LT-2.1-GetObjectNames-BASIC**|)))

(CL:DEFUN **LT-2.1-DOLLAR-BASIC** ()

(XCL-USER::DO-TEST "\$ Basic test, make sure \$ gets pointer"

(LET* ((CLASS-NAME (LT-BUILD-CLASS-NAME))

(TEMP-INSTANCE-NAME (CL:GENSYM))

(TOSS-AWAY (_ (\$! CLASS-NAME)

|New| TEMP-INSTANCE-NAME))

(TEMP-INSTANCE-NAME-LIST (LIST TEMP-INSTANCE-NAME))

(RESULTS (AND (CL:APPLY '\$ TEMP-INSTANCE-NAME-LIST

(|Instance?| (CL:APPLY '\$ TEMP-INSTANCE-NAME-LIST))))

(_ (\$! TEMP-INSTANCE-NAME)

|Destroy!|)

(_ (\$! CLASS-NAME)

|Destroy|)

RESULTS)))

(CL:DEFUN **LT-2.1-DOLLAR-BASIC-ERROR** ()

(XCL-USER::DO-TEST "\$ Check when give bad name, get nil" (AND (EQ NIL (\$ A-SYMBOL-WHICH-SHOULD-NOT-EXIST))

(EQ NIL (\$ 123456789123456789))

(EQ NIL (\$ "Not suppose to be able to use
strings")))))

(CL:DEFUN **LT-2.1-DOLLAR-EX-BASIC** ()

(XCL-USER::DO-TEST "\$! Basic test, make sure \$! gets a pointer"

(LET* ((CLASS-NAME (LT-BUILD-CLASS-NAME))

(TEMP-INSTANCE-NAME (CL:GENSYM))

(TOSS-AWAY (_ (\$! CLASS-NAME)

|New| TEMP-INSTANCE-NAME))

(RESULTS (AND (\$! TEMP-INSTANCE-NAME)

(|Instance?| (\$! TEMP-INSTANCE-NAME))))

(_ (\$! TEMP-INSTANCE-NAME)

|Destroy!|)

(_ (\$! CLASS-NAME)

|Destroy|)

RESULTS)))

(CL:DEFUN **LT-2.1-DOLLAR-EX-BASIC-ERROR** ()

(XCL-USER::DO-TEST "\$! Check when give bad name, get nil" (LET* ((TEMP-PATHNAME (CL:MAKE-PATHNAME :HOST

"CORE" :NAME (

CL:GENSYM

)))

(TEMP-STREAM (OPEN TEMP-PATHNAME

:DIRECTION :OUTPUT))

(TEMP-ARRAY (CL:MAKE-ARRAY 2))

(TEMP-LIST (LIST 'A 34 "HI"))

(TEMP-HASH (CL:MAKE-HASH-TABLE)))

```
(CL:CLOSE TEMP-STREAM)
(AND (EQ NIL ($!
      ,
      A-SYMBOL-WHICH-SHOULD-NOT-EXIST
      ))
      (EQ NIL ($! 123456789123456789))
      (EQ NIL ($! "Not suppose to be able
                    to use strings"))
      (EQ NIL ($! TEMP-PATHNAME))
      (EQ NIL ($! TEMP-STREAM))
      (EQ NIL ($! TEMP-ARRAY))
      (EQ NIL ($! TEMP-LIST))
      (EQ NIL ($! TEMP-HASH))))))
```

```
(CL:DEFUN |LT-2.1-GetObjectsNames-BASIC| ()
  (XCL-USER::DO-TEST "GetObjectNames      basic test, make sure works"
    (LET* ((CLASS-NAME (LT-BUILD-CLASS-NAME))
           (TEMP-INSTANCE-NAME-LIST (LIST (CL:GENSYM)))
           (TEMP-INSTANCE ( _ ($! CLASS-NAME)
                             |New|)))
      (TOSS-AWAY-1 (CL:DOTIMES (I 10)
                              (CL:PUSH (CL:GENSYM)
                                         TEMP-INSTANCE-NAME-LIST)))
      (TOSS-AWAY-2 (CL:DOLIST (ITEM TEMP-INSTANCE-NAME-LIST)
                              ( _ TEMP-INSTANCE |SetName| ITEM)))
      (RESULTS (AND (LISTP (|GetObjectNames| TEMP-INSTANCE))
                    (EQ 12 (LENGTH (|GetObjectNames| TEMP-INSTANCE))))))
    (CL:DOLIST (ITEM TEMP-INSTANCE-NAME-LIST)
              (SETQ RESULTS (AND RESULTS (LT-FIND-NAME ITEM (|GetObjectNames| TEMP-INSTANCE)))))
    ( _ TEMP-INSTANCE |Destroy!|)
    ( _ ($! CLASS-NAME)
      |Destroy|)
    RESULTS)))
```

```
(CL:DEFUN LT-2.2-Rename-BASIC ()
  (XCL-USER::DO-TEST "Rename      basic test, make sure Rename works"
    (LET* ((CLASS-NAME (LT-BUILD-CLASS-NAME))
           (TEMP-INSTANCE-NAME-1 (CL:GENSYM))
           (TEMP-INSTANCE-NAME-2 (CL:GENSYM))
           (TEMP-INSTANCE (_ ($! CLASS-NAME
                                |New| TEMP-INSTANCE-NAME-1)))
           (TOSS-AWAY (_ TEMP-INSTANCE |Rename| TEMP-INSTANCE-NAME-2 (LIST TEMP-INSTANCE-NAME-1)))
           (RESULTS (AND (LT-FIND-NAME TEMP-INSTANCE-NAME-2 (|GetObjectNames| TEMP-INSTANCE))
                         (NOT (LT-FIND-NAME TEMP-INSTANCE-NAME-1 (|GetObjectNames| TEMP-INSTANCE))))))
      (_ TEMP-INSTANCE |Destroy!|)
      (_ ($! CLASS-NAME
             |Destroy|)
        RESULTS)))
```

```
(CL:DEFUN |LT-2.2-Rename-MORE-1| ()
  (XCL-USER::DO-TEST "Rename      more test, make sure Rename works"
    (LET* ((CLASS-NAME (LT-BUILD-CLASS-NAME))
           (TEMP-INSTANCE-NAME-1 (CL:GENSYM))
           (TEMP-INSTANCE-NAME-2 (CL:GENSYM))
           (TEMP-INSTANCE (_ ($! CLASS-NAME)
                              |New| TEMP-INSTANCE-NAME-1)))
      (TOSS-AWAY-1 (CL:DOTIMES (I 10)
                             (_ TEMP-INSTANCE |SetName| (CL:GENSYM))))
      (RESULTS (AND (EQ TEMP-INSTANCE (_ TEMP-INSTANCE |Rename| TEMP-INSTANCE-NAME-2 (LIST
                                                                                       TEMP-INSTANCE-NAME-1
                                                                                       )))
                    (LT-FIND-NAME TEMP-INSTANCE-NAME-2 (|GetObjectNames| TEMP-INSTANCE))
                    (NOT (LT-FIND-NAME TEMP-INSTANCE-NAME-1 (|GetObjectNames| TEMP-INSTANCE)))
                    (EQ 12 (CL:LENGTH (|GetObjectNames| TEMP-INSTANCE))))))
      (_ TEMP-INSTANCE |Destroy!|)
      (_ ($! CLASS-NAME)
         |Destroy|)
      RESULTS)))
```

```
(CL:DEFUN |LT-2.2-SetName-BASIC| ()
  (XCL-USER::DO-TEST "SetName      Basic test, make sure SetName works"
    (LET* ((CLASS-NAME (LT-BUILD-CLASS-NAME))
           (TEMP-INSTANCE (_ ($! CLASS-NAME)
                              |New|))
           (TEMP-INSTANCE-NAME (CL:GENSYM))
           (RESULTS (AND (EQ TEMP-INSTANCE (_ TEMP-INSTANCE |SetName| TEMP-INSTANCE-NAME))
                         (LT-FIND-NAME TEMP-INSTANCE-NAME (|GetObjectNames| TEMP-INSTANCE))))))
      (_ ($! TEMP-INSTANCE-NAME)
         |Destroy!|)
      (_ ($! CLASS-NAME)
         |Destroy|)
      RESULTS)))
```

```
(CL:DEFUN |LT-2.2-UnSetName-BASIC| ()
  (XCL-USER::DO-TEST "UnSetName      Basic test, make sure UnSetName works"
    (LET* ((CLASS-NAME (LT-BUILD-CLASS-NAME))
           (TEMP-INSTANCE-NAME (CL:GENSYM))
           (TEMP-INSTANCE (_ ($! CLASS-NAME)
                              |New| TEMP-INSTANCE-NAME))
           (TOSS-AWAY (_ TEMP-INSTANCE |UnSetName|)))
      (RESULTS (AND (EQ 1 (CL:LENGTH (|GetObjectNames| TEMP-INSTANCE)))
                    (NOT (LT-FIND-NAME TEMP-INSTANCE-NAME (|GetObjectNames| TEMP-INSTANCE)))))
      (_ TEMP-INSTANCE |Destroy|)
      (_ ($! CLASS-NAME)
         |Destroy|)
      RESULTS)))
```

```
(CL:DEFUN |LT-2.2-UnSetName-MORE-1| ()
  (XCL-USER::DO-TEST "UnSetName      More test, make sure UnSetName works"
    (LET* ((CLASS-NAME (LT-BUILD-CLASS-NAME))
           (TEMP-INSTANCE-NAME (CL:GENSYM))
           (TEMP-INSTANCE (_ ($! CLASS-NAME)
                              |New| TEMP-INSTANCE-NAME))
           (TOSS-AWAY-1 (CL:DOTIMES (I 10)
                                     (_ TEMP-INSTANCE |SetName| (CL:GENSYM))))
           (TOSS-AWAY-2 (_ TEMP-INSTANCE |UnSetName| TEMP-INSTANCE-NAME))
           (RESULTS (AND (EQ 11 (CL:LENGTH (|GetObjectNames| TEMP-INSTANCE)))
                         (NOT (LT-FIND-NAME TEMP-INSTANCE-NAME (|GetObjectNames| TEMP-INSTANCE)))))
           (_ TEMP-INSTANCE |UnSetName|)
           (SETQ RESULTS (AND RESULTS (EQ 1 (CL:LENGTH (|GetObjectNames| TEMP-INSTANCE)))))
           (_ TEMP-INSTANCE |Destroy|)
           (_ ($! CLASS-NAME)
              |Destroy|)
           RESULTS)))
```

FUNCTION INDEX

LOOPS-TESTER-2.1	1	LT-2.1-DOLLAR-EX-BASIC-ERROR	1	LT-2.2-SetName-BASIC 	2
LT-2.1-DOLLAR-BASIC	1	LT-2.1-GetObjectsNames-BASIC ...	2	LT-2.2-UnSetName-BASIC 	3
LT-2.1-DOLLAR-BASIC-ERROR	1	LT-2.2-Rename-BASIC 	2	LT-2.2-UnSetName-MORE-1 	3
LT-2.1-DOLLAR-EX-BASIC	1	LT-2.2-Rename-MORE-1 	2		