
Appendix D

PCL Example

The following is an example of a PCL function.

- The following produces a form which does nothing but gives you a good example about how to build forms in PATRAN.

```

CLASS my_class
/* Classwide variables */
  CLASSWIDE WIDGET my_databox
  FUNCTION init ()
    REAL y_loc
    WIDGET form_id

    form_id = ui_form_create (                                     @
      /* callback */      “”,                                     @
      /* x */             5.,                                     @
      /* y */             5.,                                     @
      /* position */     “UL”,                                   @
      /* width */        5.,                                     @
      /* height */       5.,                                     @
      /* label*/         “My Form”,                             @
      /* unused */       “”)

    ui_button_create(                                           @
      /* parent */       form_id,                                 @
      /* callback */     “button_cb”,                             @
      /* x */            1.0,                                     @
      /* y */            .5,                                       @
      /* width */        2.0,                                       @
      /* height */       1.0,                                       @
      /* label */       “Apply”,                                     @
      /* TRUE */        TRUE,                                       @
      /* highlight */   FALSE)

    y_loc = 0.50 + 1.0 + 0.25

```

Exercise 18

```
my_databox = ui_databox_create(           @
    /* parent */      form_id,           @
    /* callback */    “”,               @
    /* x */           1.,                @
    /* y */           y_loc,             @
    /* label len */   0.,                @
    /* box len */     0.0,               @
    /* label */       “Force Value”,     @
    /* value */       “<0 0 40>”,       @
    /* label above */ TRUE,              @
    /* datatype */    “STRING”,         @
    /* num_values */  1)

END FUNCTION /* init */

FUNCTION display()
    ui_form_display (“my_class”)
END FUNCTION

FUNCTION button_cb
    STRING force_value[40]
    ui_wid_get (my_databox, “VALUE”, force_value)
    my_table (force_value, 5., 5.)
END FUNCTION /* button_cb */

END CLASS /* my_class */
```

