


Appendix D



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 MSC.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

    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 */
```

