## Ex\_1\_fo.sv

Output of Overidding of xtn(base class) with small\_xtn(extended class):

```
_INFO verilog_src/questa_uvm_pkg-1.2/src/questa_uvm_pkg.sv(278) @ 0: reporter [Questa UVM]
   Name
                                @466
     data
             integral
 # I am in the BASE class
 # Name
             Type
                                @466
'h5
 # xt1
     addr integral
     data integral 5
 # I am in the BASE class
 #### Factory Configuration (*)
 # No instance overrides are registered with this factory
 # All types registered with the factory: 41 total
# (types without type names will not be printed)
     Type Name
     big_xtn
     questa_uvm_recorder
     small_xtn
small_xtn1
 # (*) Types with no associated type name will be printed as <unknown>
(*) Types with no associated type name will be printed as <unknown>
####
 Name
                       Size Value
                               @470
   addr integral
data integral
                                'h2
 Name
                                @470
  addr integral
data integral
  I am in Small_xtn Extended class
# UVM_INFO @ 0: reporter [TPREGR] Original object type 'xtn' already registered to produce 'small_xtn'. Replacing with overri
de to produce type 'small_xtn1'.
```

Output of Overidding of xtn(base class) with small\_xtn1(extended class) small\_xtn1 is ec of small\_xtn, and small\_xtn is ec of xtn:

```
# I am in Small_xtn Extended class
# addr1 = 10
# 65869
# UVM_INFO @ 0: reporter [TPREGR] Original object type 'xtn' already registered to produce 'small_xtn1'. Replacing with override to produce type 'big_xtn'.
```

Output of big\_xtn(base class) with overridding

```
#### Factory Configuration (*)
# No instance overrides are registered with this factory
                        big_xtn
#
# All types registered with the factory: 41 total
# (types without type names will not be printed)
    Type Name
   big_xtn
questa_uvm_recorder
small_xtn
small_xtn1
# xtn
# (*) Types with no associated type name will be printed as <unknown>
####
 Name
                                @478
'h8
'hf
   xt1 big_xtn -
addr integral 4
data integral 5
  I am in Big_xtn Extennded Class
  Name
   kt1 big_xtn -
addr integral 4
data integral 5
                                'hf
  I am in Big_xtn Extennded Class
```