```
stone@ubuntu: ~/System_Verilog_Udemy/4_IPC/11_Parameterized_Mai... Q = _
                                                                                                                                                                                                                                                                                                                                                    This program is proprietary and confidential information of Synopsys Inc. and may be used and disclosed only as authorized in a license agreement controlling such use and disclosure.
                                                                                                                                                                                                                                                                                                                                               Parsing design file 'Parameterized_Mailbox.sv'
Top Level Modules:
    tb

No TimeScale specified
Starting vcs inline pass...
2 modules and 0 UDP read.
recompiling module tb

However, due to incremental compilation, only 1 module needs to be compiled.

| Tm -f_csrc*.so pre_vcsobj_*.so share_vcsobj_*.so
| Id -shared -Bsymbolic -o .//../simv.daidir//_csrc0.so objs/amcQw_d.o
| Tm -f_csrc0.so
| if [-x ../simv ]; then chmod -x ../simv; fi
| ++ o ../simv no-pie -Wl,--no-as-needed -Wl,-rpath-link=./ -Wl,-rpath='$ORIGIN'/simv.daidir/ -Wl,-rpath='soRiGin'/simv.daidir//scsim.db.dir -l_vusr/lib/x86_64-linux-gnu -Wl,-no-as-needed -rdynamic -Wl,-rpath=ysortome/software/vcs2018/vcs/0-2018.09-SP2/linux64/lib _L/usr/stone/software/vcs2018/vcs/0-2018.09-SP2/linux64/lib _L/usr/stone/software/vcs2018/vcs/0-2018.09-SP2/linux64/lib _L/usr/stone/software/vcs2018/vcs/0-2018.09-SP2/linux64/lib-_l-no-mallen_0.o -lerosoft_rt_stubs -lvirsim =lerorinf =lspsmalloc -lvfs -lvcs new =lsimprofile =luclinative /usr/stone/software/vcs2018/vcs/0-2018.09-SP2/linux64/lib/vcs_tls.o -wls.no-whole-archive -lvcs.push.o /usr/stone/software/vcs2018/vcs/0-2018.09-SP2/linux64/lib/vcs_tls.o -wls.no-whole-archive -lvcs.push.o /usr/stone/software/vcs2018/vcs/0-2018.09-SP2/share/PLI/VCS/LINUX64/pli.a -ld -lc -lm -lpthread -ldl ../simv up to date
CPU time: .151 seconds to compile + .116 seconds to elab + .196 seconds to link
Verdi KDB elaboration done and the database successfully generated: 0 error(s), 0 warning(s) stoneBubuntu:-/System_Verliog_Udemy/4_TPC/11_Parameterized_Mailbox$./simv
Chronologic VCS simulator copyright 1991-2018
                     bit [7:0] data:
            class generator;
  int data =12;
                    transaction t:
                     mailbox #(transaction) mbx; //mailbox가 어떤 데이터 타입을 처리할 수 있는지를 지정
//즉 transaction 클래스안의 datatype 용 처리 할수 있음
                       bit [/:0] temp =3;
                   function new (mailbox #(transaction) mbx);
  this.mbx = mbx;
endfunction
                            t = new(); //객체생<mark>정</mark>
t.data = 45;
mbx.put(t);
$display ("Data Send from gen : %0d",t.data);
28 endclass
29
30 class driver;
31 mailbox #(transaction) mbx;
32 transaction data;
                                                                                                                                                                                                                                                                                                                                                   stone@ubuntu:-/System_Verilog_Udemy/4_IPC/11_Parameterized_Mailbox$ ./simv
Chronologic VCS simulator copyright 1991-2018
Contains Synopsys proprietary information.
Compiler_version_0-2018.89-SP2_Full64; Runtime version 0-2018.09-SP2_Full64; Sep 10 22:47 2023
                     function new (mailbox #(transaction) mbx);
  this.mbx = mbx;
endfunction
                                                                                                                                                                                                                                                                                                                                                  Data Send from gen: 45
DATA Receive: 45
VCS Simulation Report
Time: 0
                                                                                                                                                                                                                                                                                                                                                   CPU Time: 0.140 seconds;
Sun Sep 10 22:47:10 2023
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Data structure size: 0.0Mb
   38 task run();
Parameterized Mailbox.sv" 58L, 1022C written
                                                                                                                                                                                                                                                                              23.25-26
                                                                                                                                                                                                                                                                                                                             Top
```

