class environment;

mailbox gen2drv;

mailbox mon2sco;

generator gen\_h;

driver drv\_h;

monitor mon\_h;

scoreboard sco\_h;

virtual intf vif;

function new(virtual intf vif);

this.vif=vif;

gen2drv=new();

mon2sco=new();

gen\_h=new(gen2drv);

drv\_h=new(gen2drv,vif);

mon\_h=new(mon2sco,vif);

sco\_h=new(mon2sco);

endfunction

task main();

$display("display from environment");

fork

gen\_h.put\_msg();

drv\_h.get\_msg();

mon\_h.put\_msg();

sco\_h.get\_msg();

join

endtask

endclass