

31st Day

Pre and Post Randomize

```
class msd;

    rand bit [3:0] a;
    rand bit [3:0] b;

    function void pre_randomize();
        $display("in prerandomize a=%0d b=%0d",a,b);
    endfunction

    function void post_randomize();
        $display("in post randomize a=%0d b=%0d",a,b);
    endfunction

endclass


module tb;

    msd m;

    initial
    begin
        m=new();
        m.randomize();

        $display("after randomize a=%0d b=%0d",m.a,m.b);
    end

endmodule
```

Simulation

Compiler version U-2023.03-SP2_Full64; Runtime version U-2023.03-SP2_Full64; Apr 20 11:54 2025
in prerandomize a=0 b=0
in post randomize a=9 b=12
after randomize a=9 b=12

V C S S i m u l a t i o n R e p o r t

Time: 0 ns

CPU Time: 0.400 seconds; Data structure size: 0.0Mb

Compiler version U-2023.03-SP2_Full64; Runtime version U-2023.03-SP2_Full64; Apr 18 12:46 2025

Before change:

m1 data=13 m2 data=13

m1 obj=6 m2 obj=6

After change:

m1 data=13 m2 data=7

m1 obj=6 m2 obj=2

V C S S i m u l a t i o n R e p o r t

Time: 0 ns
