

```
module tb_top;
    logic [3:0] a,b;
    logic [4:0] out;

    adder dut (.a(a), .b(b), .out(out));

    initial begin
        for(int i=0; i<=10; i++) begin
            $display("Before stimulus - a = %0d, b = %0d, out = %0d", a,b, out);
            a <= $random;
            b <= $random;
            $display("After stimulus - a = %0d, b = %0d, out = %0d", a,b, out);
            #10;
        end
    end
endmodule
```