Digital Design and Computer Organisation Laboratory 3rd Semester, Academic Year 2025

Date:19-08-2025

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Week Number: 3 Program Number: 3

TITLE: IMPLEMENTAION OF BCD ADDER

```
≣ bcd_adder_tb.v
        reg [3:0] a, b;
         reg cin;
        wire [3:0] sum;
        wire cout; "cout": Unknown word.
             .sum(sum),
             $dumpfile("bcd adder tb.vcd"); "dumpfile": Unknown word.
$dumpyars(0, bcd_adder_tb); "dumpvars": Unknown word.
             a = 0; b = 0; cin = 0; #10;
             a = 0; b = 1; cin = 0; #10;
             a = 0; b = 2; cin = 0; #10;
            a = 0; b = 4; cin = 0; #10;
             a = 0; b = 5; cin = 0; #10;
             a = 0; b = 6; cin = 0; #10;
             a = 0; b = 7; cin = 0; #10;
             a = 0; b = 8; cin = 0; #10;
             a = 0; b = 9; cin = 0; #10;
             a = 1; b = 1; cin = 0; #10;
             a = 1; b = 3; cin = 0; #10;
             a = 1; b = 4; cin = 0; #10;
             $finish:
```

