

# DAY-26

## #100DAYSOFRTL

### PROBLEM STATEMENT:--

1. Create a 100-bit binary adder. The adder adds two 100-bit numbers and a carry-in to produce a 100-bit sum and carry out.

Write your solution here

[Load a previous submission] ▾

Load

```
1 module top_module(  
2     input [99:0] a, b,  
3     input cin,  
4     output cout,  
5     output [99:0] sum );  
6  
7 assign {cout, sum} = a + b + cin;  
8  
9 endmodule  
10 |
```

Submit

Submit (new window)

Upload a source file... ▾

### adder100 — Compile and simulate

Running Quartus synthesis. [Show Quartus messages...](#)

Running ModelSim simulation. [Show Modelsim messages...](#)

### Status: Success!

You have solved 60 problems. [See my progress...](#)