```
`timescale 1ns / 1ps
// Company:
// Engineer:
//
// Create Date: 10/13/2020 11:14:19 PM
// Design Name:
// Module Name: 4-Bit Adder
// Project Name:
// Target Devices:
// Tool Versions:
// Description:
//
// Dependencies:
//
// Revision:
// Revision 0.01 - File Created
// Additional Comments:
//
module Four Bit Adder(
  input c,
  input a0,
```

```
input b0,
    input a1,
    input b1,
    input a2,
    input b2,
    output s0,
    output s1,
    output s2,
    output s3
    );
   wire t0, t1;
    Full Adder Adder1 (.A(a0), .B(b0), .Cin(c),
.S(s0), .Cout(t0));
    Full Adder Adder2(.A(a1), .B(b1),
.Cin(t0), .S(s1), .Cout(t1));
    Full Adder Adder3(.A(a2), .B(b2),
.Cin(t1), .S(s2), .Cout(s3));
```

endmodule