```
`timescale 1ns / 1ps
// Company:
// Engineer:
//
// Create Date: 11/03/2020 04:00:44 PM
// Design Name:
// Module Name: Ring Counter
// Project Name:
// Target Devices:
// Tool Versions:
// Description:
//
// Dependencies:
//
// Revision:
// Revision 0.01 - File Created
// Additional Comments:
//
module Ring Counter(
  input start, clk,
  output [3:0] out
```

```
//wire [1:0] Q; // comment this line if
you want Q as an output
   wire d0, d1, d2, d3;
    FDRE #(.INIT(1'b1)) Ringcounter1 (.C(clk),
.R(1'b0), .CE(start), .D(d3), .Q(d0));
    FDRE #(.INIT(1'b0)) Ringcounter2 (.C(clk),
.R(1'b0), .CE(start), .D(d0), .Q(d1));
   FDRE #(.INIT(1'b0)) Ringcounter3 (.C(clk),
.R(1'b0), .CE(start), .D(d1), .Q(d2));
    FDRE #(.INIT(1'b0)) Ringcounter4 (.C(clk),
.R(1'b0), .CE(start), .D(d2), .Q(d3));
   assign out = \{d3, d2, d1, d0\};
endmodule
```

);