```
`timescale 1ns / 1ps
/*********************************
* Module: Stopwatch
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* Class: ECEN 220, Section 3, Fall 2020 - ECEN 220, Section 1, Winter 2020
* Date: 28 Oct 2020
* Description: Creates a stopwatch that counts up to 59.99 seconds.
****************************
`default nettype none
module Stopwatch (
   input wire logic clk, reset, run,
   output logic [3:0] digit0, digit1, digit2, digit3
   );
   logic inc1, inc2, inc3, inc4, inc5;
   logic [19:0] counter;
   mod counter #(1000000, 20) MCO (.count(counter), .rolling over(inc1), .clk(clk),
.reset(reset), .increment(run));
   mod counter MC1 (.count(digit0), .rolling over(inc2), .clk(clk), .reset(reset),
.increment(incl));
   mod counter MC2 (.count(digit1), .rolling over(inc3), .clk(clk), .reset(reset),
.increment(inc2));
   mod counter MC3 (.count(digit2), .rolling over(inc4), .clk(clk), .reset(reset),
.increment(inc3));
   mod counter #(6, 4) MC4(.count(digit3), .rolling over(inc5), .clk(clk),
.reset(reset), .increment(inc4));
```

endmodule