36th Day

Events

Code1

```
module test();
 event ev;

 initial
  begin
   $display("about to trigger the event t=%0t",$time);
   #10;
   ->ev;
   $display("event is triggered at t=%0t",$time);
  end

 initial
  begin
   $display("about to catch the event t=%0t",$time);
   #10;
   @(ev);
   $display("catched the event t=%0t",$time); //catching miss bcz of @(ev)
  end
endmodule
```

Simulation

```
Contains Synopsys proprietary information.
Compiler version U-2023.03-SP2_Full64; Runtime version U-2023.03-SP2_Full64;  Apr 28 10:16 2025
about to trigger the event t=0
about to catch the event t=0
event is triggered at t=10
         V C S   S i m u l a t i o n   R e p o r t
Time: 10 ns
CPU Time:      0.420 seconds;      Data structure size:   0.0Mb
```

Code 2

```
module test();
 event ev;

 initial
  begin
   $display("about to trigger the event t=%0t",$time);
   #10;
   ->ev;
   $display("event is triggered at t=%0t",$time);
  end

 initial
  begin
   $display("about to catch the event t=%0t",$time);
   #10;
   wait(ev.triggered);
   $display("catched the event t=%0t",$time); //catches the event
  end
endmodule
```

Simulation

```
Contains Synopsys proprietary information.
Compiler version U-2023.03-SP2_Full64; Runtime version U-2023.03-SP2_Full64;  Apr 28 10:21 2025
about to trigger the event t=0
about to catch the event t=0
event is triggered at t=10
catched the event t=10
        V C S   S i m u l a t i o n   R e p o r t
Time: 10 ns
CPU Time:      0.430 seconds;      Data structure size:   0.0Mb
```