# Lecture 3 Learning outcomes

Upon successful completion of this module, you will be able to:

* Distinguish combinational and sequential circuits
* Describe the characteristics of flip-flops;
* Describe the flip-flops using finite state machines;
* Compare and contrast Moore machine and Mealy machine.

# Lecture 3 Activities

**Session I:**

          View Lecture 3a: Introduction to Flip-Flops

          Study zyBook 8.7, 8.8

**Session II:**

         View Lecture 3b: Introduction to Finite State Machines  
 Study zyBook 8.10

**Session III:**

Work on P3: Choose CPU/GPU for team project

Any change of team membership (to teams formed in P2) please notify instructor.

Lecture 1 - 3 Review and catchup

Study for Test 1

**Assignment Checklist:** -- due Th 6/10

Z3: zyBook 8.7, 8.8, 8.10

P3: team assignment