A finite state machine is a mathematical model at computation used to design both computer programs and mathematical logic circuits.

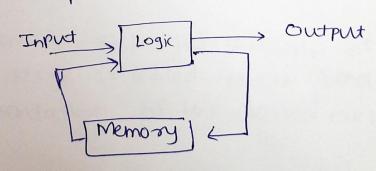
The machine is in only one state at a time the state it is in at any given time is called the current State. It can change from one State to another when initiated by triggering event or condition, this is Called transition.

FSM can operate in finitely states.

there are two types at FSM,
[I] Mealy state Machine.

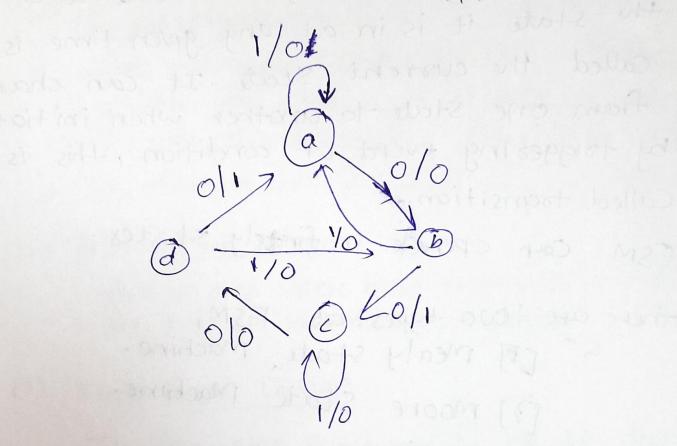
[2] Moore State Machine.

1) mealy state machine output is the function at Input as well as current state.



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Present state Next state , output 2 = 1 オニョ 9,0 C, 1 C10 6,0



Present state 'b', the output depends on input as well as state.