Compiler design lab - week-1 :-

1) The acceptable strings of the language are $00, 11, 0110. \, - - - -$
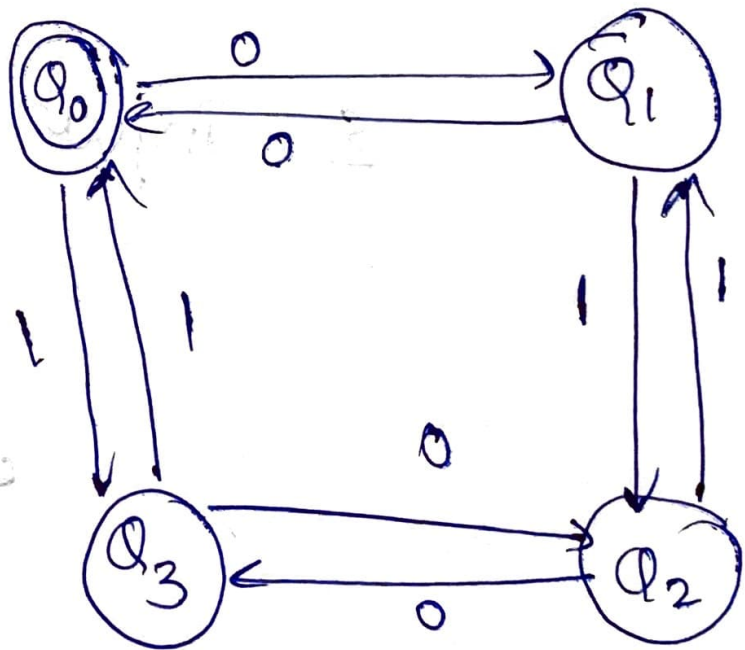
    DFA $M = (Q, \Sigma, \delta, Q_0, F)$ where.
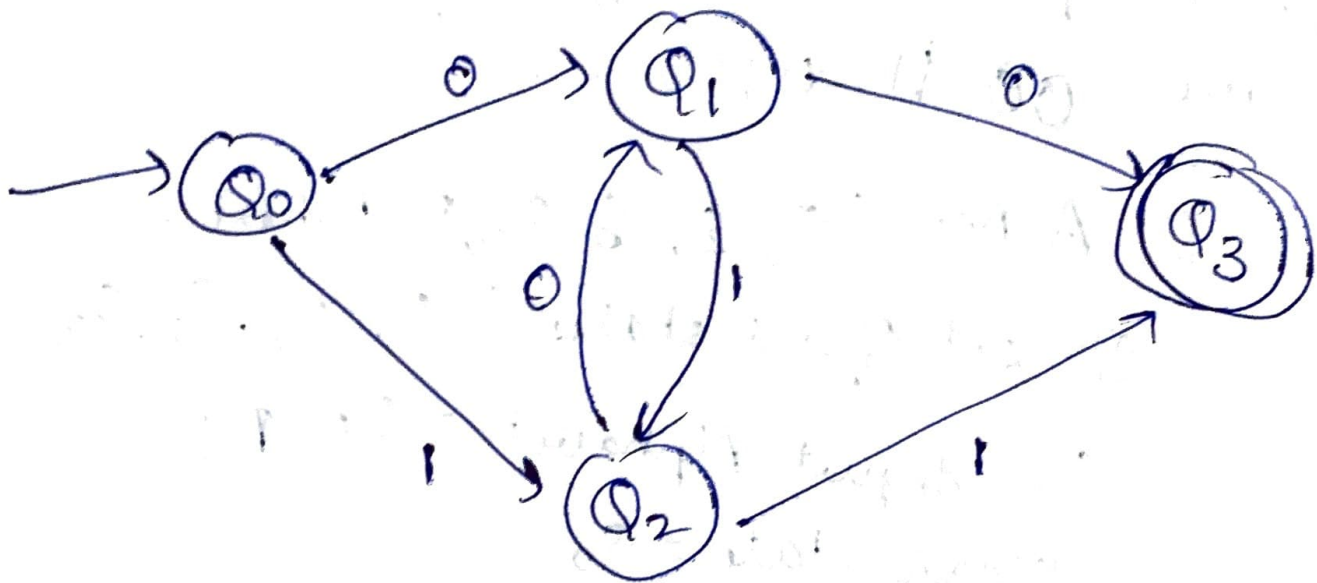
     Q = set of all states = $\{Q_0, Q_1, Q_2, Q_3\}$.

     Σ = Input Alphabet = $\{0, \phi\}$,

     Start state = Q_0.

     F = set of final states = $\{Q_0\}$.

2) The acceptable strings are 0011, 0111
                                 1000. _ _ _.

DFA $M = \{Q, \Sigma, \delta, q_0, F\}$ where

Q = set of all states

$\{Q_0, Q_1, Q_2, Q_3\}$

Σ = Input $\{0, 1\}$.

start state = q_0

set of final state = $\{Q_3\}$.