

- Q 1: Design a FA that only accepts 101 over $\Sigma = \{0,1\}$.
- Q 2: Design a FA that accepts strings starting with 'ab' over input alphabets $\Sigma = \{a, b\}$
- Q 3: Design a FA that accepts strings starting with 'a' over input alphabets $\Sigma = \{a, b\}$
- Q 4: Design a FA that accepts strings of a's and b's having a sub string aa.
- Q 5: Design a DFA for $L = \{a^n b : n \geq 0\}$