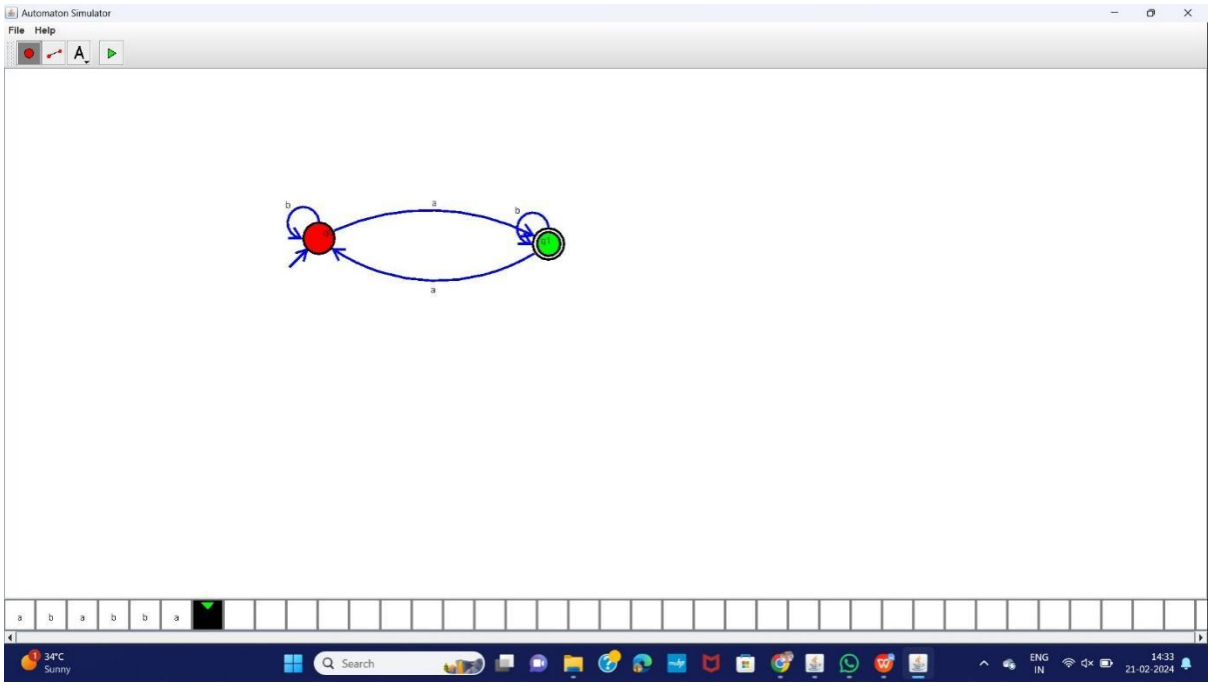
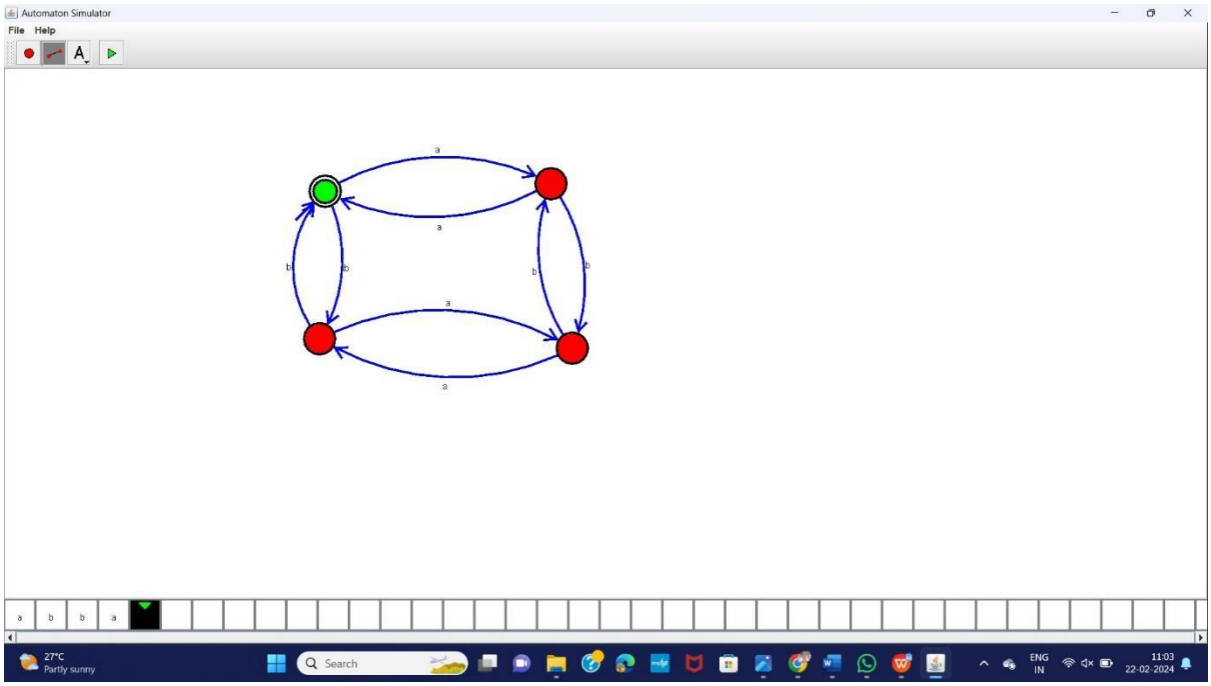
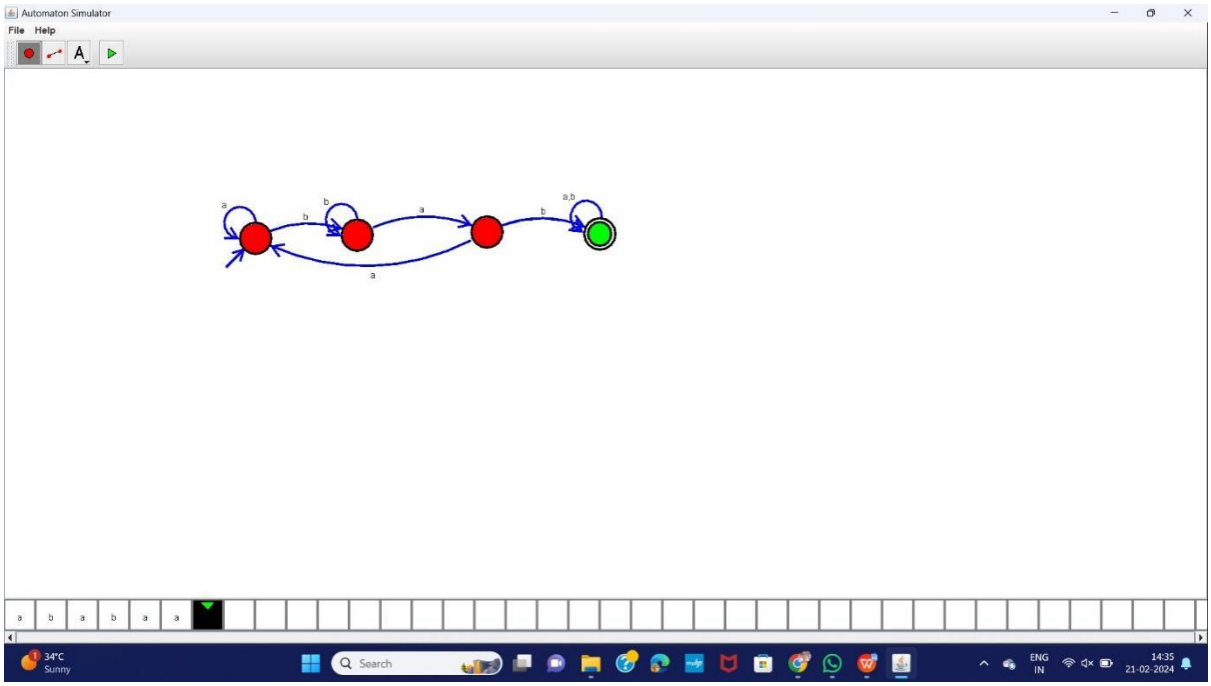
1.1 Construct a DFA to accept Binary strings having odd no of 1’s and any number of 0’s



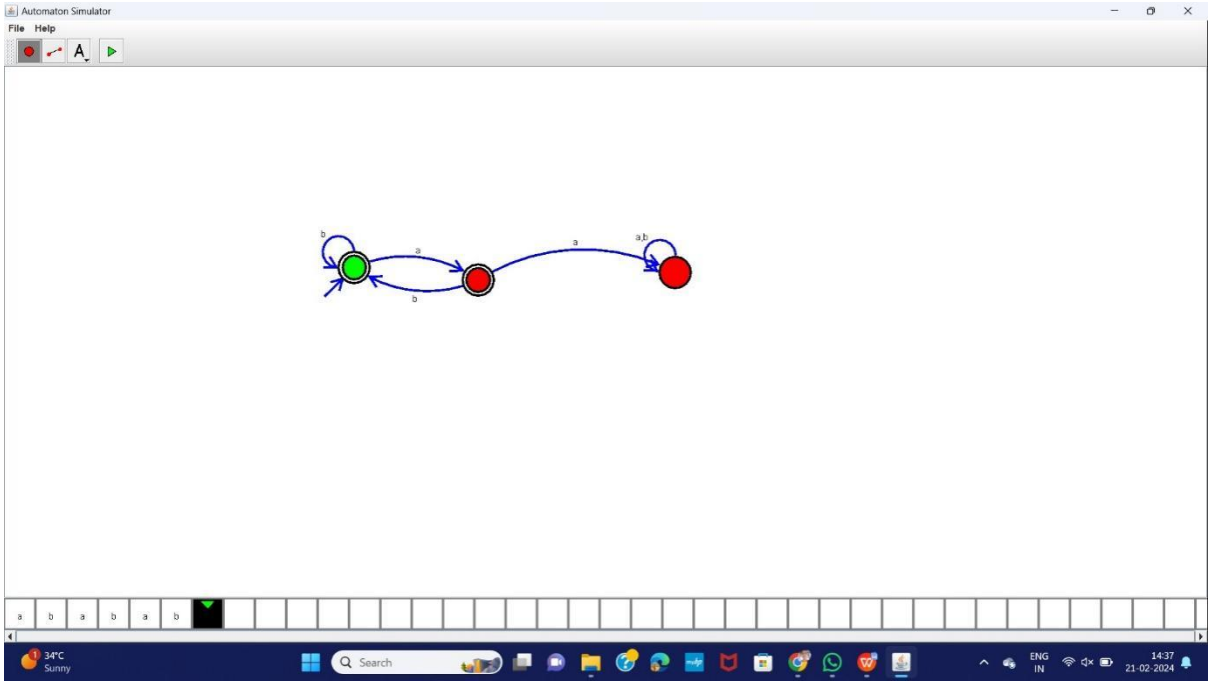
1.2 Construct a DFA binary strings having even no of 0’s and even no of 1’s



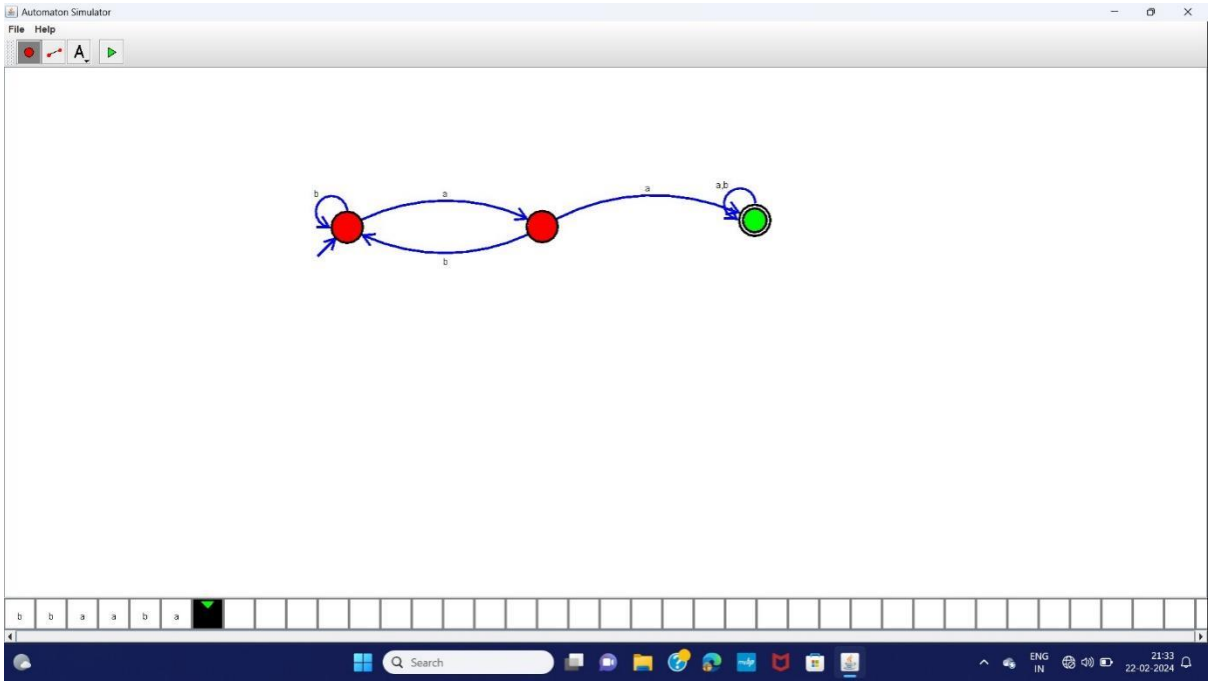
1.3 Construct a DFA Binary strings having the substring 101



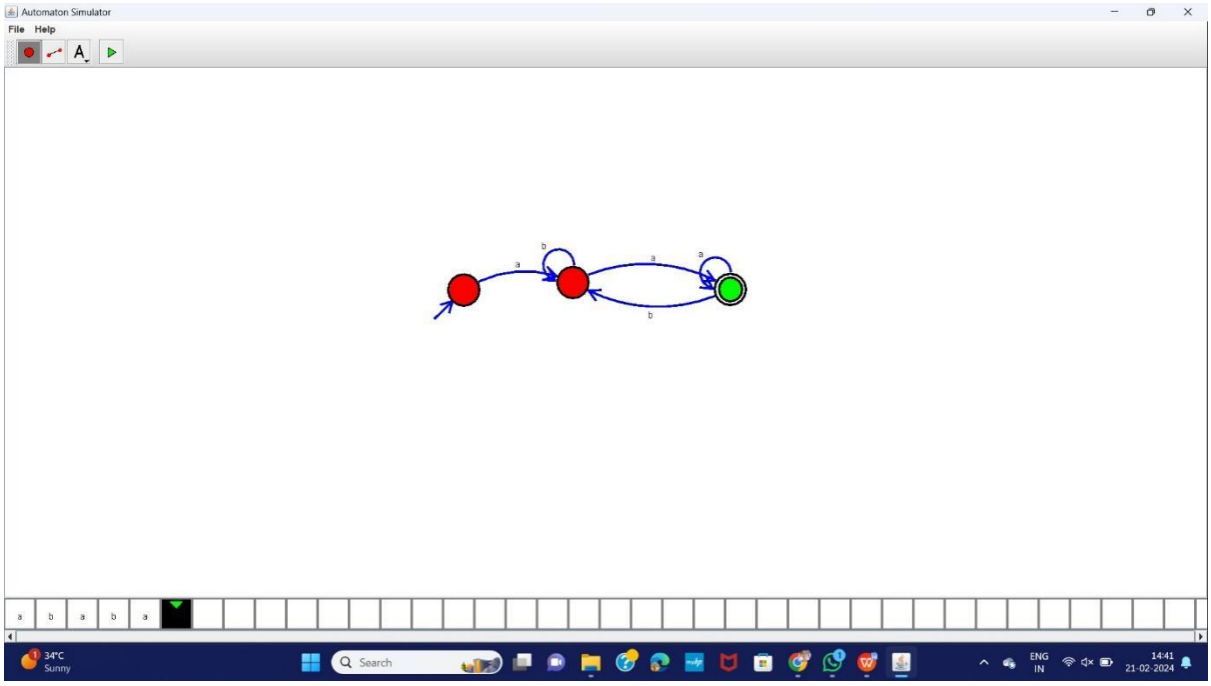
1.4 Binary strings having no consecutive 0's



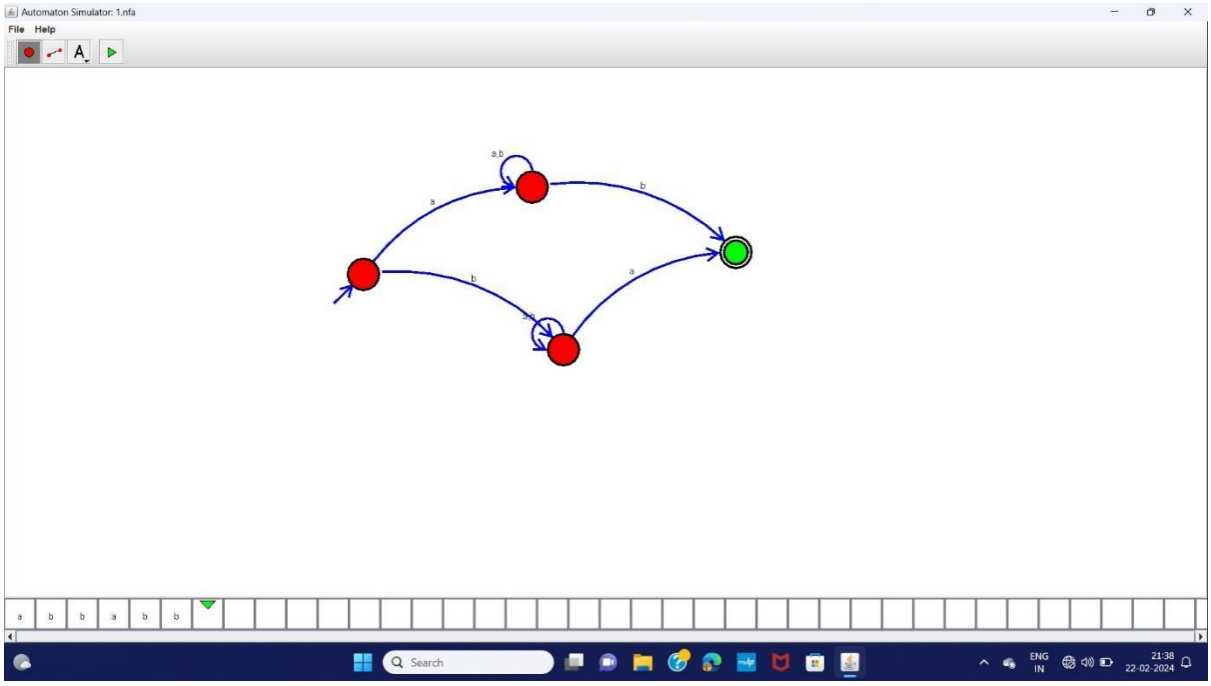
2.1 Construct NFA Binary strings having 00 as a substring



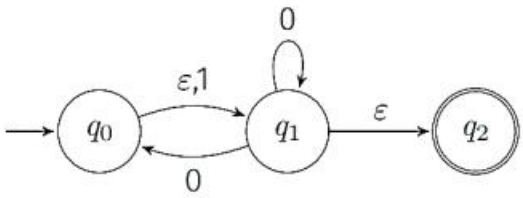
2.2 Construct a NFA Binary strings that start and end with 0

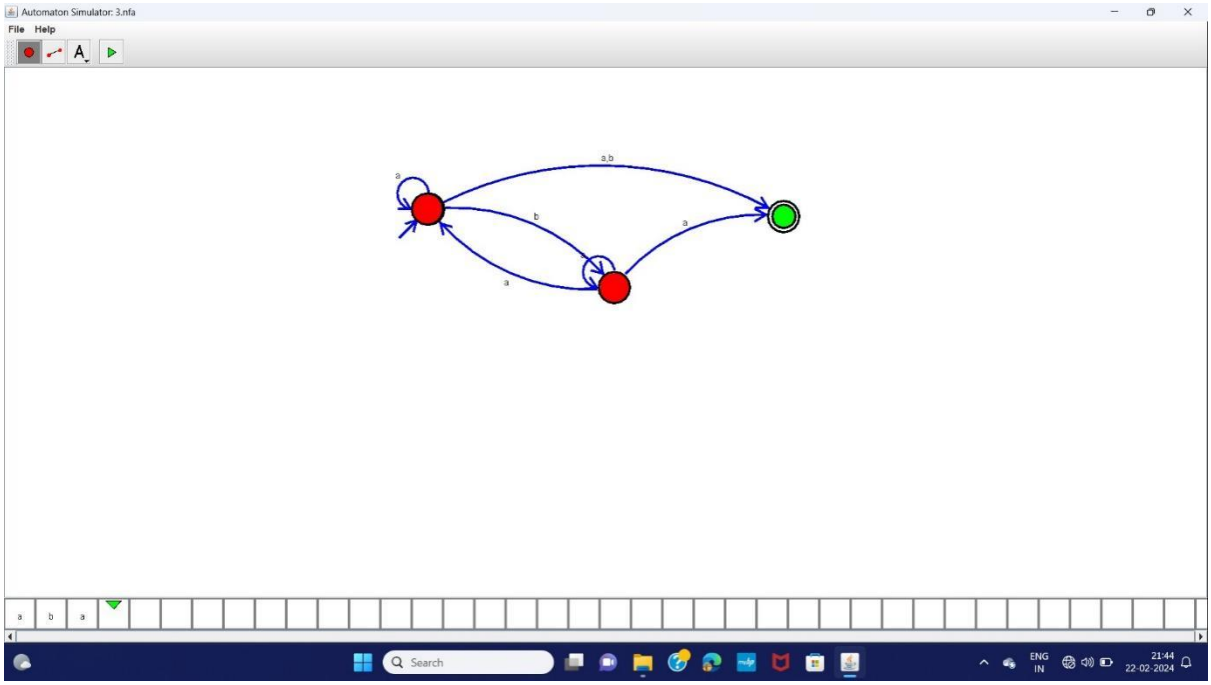


2.3 Construct a NFA Binary strings that start and end with different digits



3. Construct an NFA without ϵ-moves equivalent to the NFA with ϵ-moves given below:





4. **Construct a DFA equivalent to the NFA with ε-moves given below**: