Question-1

- What kind of Java tokens does the following DFA recognize? [1 pt]

- Provide three example input strings that are accepted by the above DFA in state D after transitioning through state E, C, and G (respectively). [1 pt]
**Question-2** Create an NFA that is equivalent to the regular expression $0(01)^*11$ using only the four NFA constructions discussed in class. [4pt]
Question 3  Convert this NFA into an equivalent DFA using the procedure we studied in class. Your answer should be the state diagram of a DFA. Your diagram should include only the states that are reachable from the start state. **Hint: There are 4 states in the final DFA.** [4pt]