1. Looking at C language, what do its tokens look like? Which attributes do they have?

2. (a) Draw an NFA (non-deterministic finite automaton) for decimal integers, possibly preceded by a unary $-$ or a unary $+$.
   (b) Draw an NFA for unsigned hexadecimal numbers, preceded by a dollar sign. Like in $\$F\text{ED}7$.
   (c) Draw a complete NFA for floating point numbers. It should accept $44$, $44.0$, $4.4E01$, $440E-1$.
   (d) Draw an NFA for C-style strings. Do not forget to allow escapes of form $\backslash n$, $\backslash t$, $\backslash \text{'}$, $\backslash \text{"}$, $\backslash XYZ$, where $XYZ$ is an octal number.
   (e) Draw an NFA for the formatting strings that are the first arguments of $\text{printf}$ in C.
   (f) Same for $C++$ comments, starting with $/\ast$ and ending with $*/$.