

1. Give a BNF grammar for the set of all strings consisting of the keyword **begin**, followed by one or more statements with a semicolon after each one, followed by the keyword **end**. Use the non-terminal `<statement>` for statements, and do not give productions for `<statement>`.

2. Using your grammar in #1, show the syntax tree (parse tree) for the string  
`begin <statement> ; <statement> ; <statement> ; end`