```
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// Class: CS 5040
// Term: Summer 2019
// Instructor: Dr. Haddad
// Assignment: 1
// IDE: Atom

// calculate length of string and call recursive helper function to reverse string
METHOD ReverseString
BEGIN
        READ InputValue        // read input from user
        s ← InputValue
        index ← length of string - 1
        CALL ReverseString(s, index)
        PRINT new line
END ReverseString

// recursively print reversed string
METHOD ReverseString (s, index)
BEGIN
        IF (index >= 0) THEN
                PRINT character at current index of string s
                CALL ReverseString (s, index - 1)
        ENDIF
END ReverseString
```