**Problem #1**

**Print Reversed**

Write a recursive method called *printReversed* to print a string in reverse. Your output should be the reversed string. **Global memory, static variables and loops cannot be used in this task**. Design parameters of your function appropriately and write necessary *main*() function. (You can assume the length of the input string will not be more than 127 characters.)

|  |  |
| --- | --- |
| **Sample Input(s)** | **Corresponding Output(s)** |
| foobar  saifur  cse105 | raboof  rufias  501esc |

**Problem #2**

**Subsequence**

A subsequence is a sequence that can be derived from another sequence by deleting some elements without changing the order of the remaining elements. For example, <a, b, d> is a subsequence of <a, b, c, d, e, f>. Also, an empty sequence is a subsequence of any other sequence. Given 2 input strings *S* and *S'*, you have to determine whether *S'* is a subsequence of *S*. Implement a recursive method called *IsSubsequence* that returns non-zero (true) if *S'* is a subsequence of *S*; otherwise it returns 0 (false). **Global memory, static variables and loops cannot be used in this task**. Design parameters of your function appropriately and write necessary *main*() function.

The input contains *S* in line 1 and *S'* in line 2. In the output, print “YES” if S' is a subsequence of S; “NO” otherwise.

|  |  |
| --- | --- |
| **Sample Input(s)** | **Corresponding Output(s)** |
| abababa  abaa | YES |
| abcdefg | YES |
| pqr | NO |
|  | YES |
| saifur rahman  siam | YES |
| programming contest  practice | NO |