

### Solution for problem 16:

Well, by far, you have no problem for printing arrays reverse of right order using recursions, pretty easy.. eh? Ok, but how about reading a string without an array??!! Sounds ridiculous? Well, you must have heard something about call-stack, it hold the memory of all function calls with their internal variable values, so, why don't we take some advantage of this call stack (point 3 of [this](#) paper).

```
[.c]
#include <stdio.h>

void funny()
{
    char ch;
    scanf("%c", &ch);
    if(ch!='\n')
        funny();
    printf("%c", ch);
}

int main()
{
    // will work as gets(), terminates at '\n'
    funny();
    printf("\n");
    return 0;
}
[.c]
```

Do it in normal order, take a string and print it, not using any array.