Problem 30: Print reversed string vertically character by character.

Code:

```c
#include <stdio.h>
#include <string.h>

int main() {
    char str[100];
    int i;

    printf("Enter string: ");
    fgets(str, sizeof(str), stdin);
    str[strcspn(str, "\n")] = '\0';

    for(i = strlen(str) - 1; i >= 0; i--)
        printf("%c\n", str[i]);

    return 0;
}
```

<u>Output</u>:

Enter string: matcha
a
h
c
t
a
m