

## Print reverse of a string using recursion

Write a recursive C function to print reverse of a given string.

### Program:

```
# include <stdio.h>

/* Function to print reverse of the passed string */
void reverse(char *str)
{
    if(*str)
    {
        reverse(str+1);
        printf("%c", *str);
    }
}

/* Driver program to test above function */
int main()
{
    char a[] = "Geeks for Geeks";
    reverse(a);
    getchar();
    return 0;
}
```

**Explanation:** Recursive function (reverse) takes string pointer (str) as input and calls itself with next location to passed pointer (str+1). Recursion continues this way, when pointer reaches '\0', all functions accumulated in stack print char at passed location (str) and return one by one.

**Time Complexity:** O(n)

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