Write a C Program to reverse a given word using function.

e.g. INDIA should be printed as AIDNI

### Sample Test Cases

<table>
<thead>
<tr>
<th>Test Case</th>
<th>Input</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Case 1</td>
<td>INDIA</td>
<td>The string after reversing is: AIDNI</td>
</tr>
<tr>
<td>Test Case 2</td>
<td>DELHI</td>
<td>The string after reversing is: IHLED</td>
</tr>
<tr>
<td>Test Case 3</td>
<td>compute</td>
<td>The string after reversing is: retupmo c</td>
</tr>
<tr>
<td>Test Case 4</td>
<td>NPTEL</td>
<td>The string after reversing is: LETPN</td>
</tr>
</tbody>
</table>

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment.

Sample solutions (Provided by instructor)

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

void reverse(char[], int, int);

int main()
{
    char strl[20];
    scanf("%s", strl); //The string is taken as input form the test

    void reverse(char[], int, int);
    Use the printf statement as
    printf("The string after reversing is: %s\n", strl);
}
```
You can use different variable also.

```c
int size;
    size = strlen(str1);
    reverse(str1, 0, size - 1);
    printf("The string after reversing is: %s\n", str1);
    return 0;
}

void reverse(char str1[], int index, int size)
{
    char temp;
    temp = str1[index];
    str1[index] = str1[size - index];
    str1[size - index] = temp;
    if (index == size / 2)
    {
        return;
    }
    reverse(str1, index + 1, size);
}
```
