Example - VII

```
int sum(int n) {  // *** seventh.c
    if(n==0) return 0;
    else return n+sum(n-1);
}
#include <stdio.h>
int main() {
    int n ;
    printf("Enter a non-negative integer:") ;
    scanf("%d", &n) ;
    printf("\nSum of (0+...+%d)=%d\n",n,sum(n));
    return 0 ;
}
```