

# Recursive Functions

## COMP 273 Assignment 3 - Fall 2021

### Submission instructions

All work must be your own, and must be submitted by MyCourses. **Include your name and student number in a comment at the top of your source file.** Submit only one file, `a3.asm`. Do not use a zip archive. **Check your submission** by downloading your submission from the server and checking that it was correctly submitted. You will not receive marks for work that is incorrectly submitted.

### Implementation

In this assignment, you will use recursive function calls to implement the following function:

```
int f(n) {
    if ( n <= 1 )
        return 1 ;
    else
        return f(n-1) + f(n-3) + 1 ;
}
```

# Assignment Project Exam Help

### Steps

1. Ask the user to input `n` from the console. You can assume the user will only enter an integer
2. Compute `f(n)` using recursive functions
3. Print `f(n)` on the console

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### Marking

- -2 marks for incorrect answer
- -2 marks for not using recursive functions