



Programming Lab #2

Functions and Parameters

Prerequisite Reading: Chapters 1-3

Revised: October 10, 2017

Create an assembly language source code file containing six functions. If the functions were written in C, they would look like the following:

<pre>uint32_t Ten32(void) { return 10 ; }</pre>	<pre>uint64_t Ten64(void) { return (uint64_t) 10 ; }</pre>	<pre>uint32_t Incr(uint32_t n) { return n + 1 ; }</pre>
<pre>uint32_t Nested1(void) { return rand() + 1 ; }</pre>	<pre>uint32_t Nested2(void) { return rand() + rand() ; }</pre>	<pre>void PrintTwo(char *format, uint32_t n) { printf(format, n) ; printf(format, n + 1) ; }</pre>

Test your functions using the main program downloaded from [here](#). If your code works correctly, the display should look like the image below (although the numbers are likely to be different):

