

In-lab 6 Preparation

To prepare for In-lab Exercise 6, review the process for designing, coding, linking, and testing a small assembly language program. You are going to write a small function that will loop through a string to calculate its length (similar to the standard `strlen()` function), plus a test driver program to test the function.

You will need to create 2 source files, one for the test driver and one for your function. You will also need a Link Control File (`.lcf`) to link the object output from the 2 assemblies together with the `bdblib` object file.

You may also wish to review the addressing mode known as “Address Register Register Indirect with Postincrement Mode”, since that would be very handy for scanning through a string.

You might even want to prepare by writing a `StrLen` function in C++ to make sure you understand the logic involved. It would be most useful to do it with pass-by-value and pointers, but an array method may also prove beneficial.