

## **In-lab 5 Preparation**

To prepare for In-lab Exercise 5, first write a simple assembler program containing both a main program and a simple test function, perhaps just to write a message.

Call the function by using the instructions `jsr` (Jump to Subroutine) and `rts` (Return from Subroutine), passing data (like the address of a message to print) into the subroutine in some register(s). Use other similar registers (i.e., data or address) to save and restore any passed values so they can be returned unchanged.

Now read over the instructions for In-lab 5 and follow them carefully. You will find it useful to write some PDL to lay out the logic you will require.