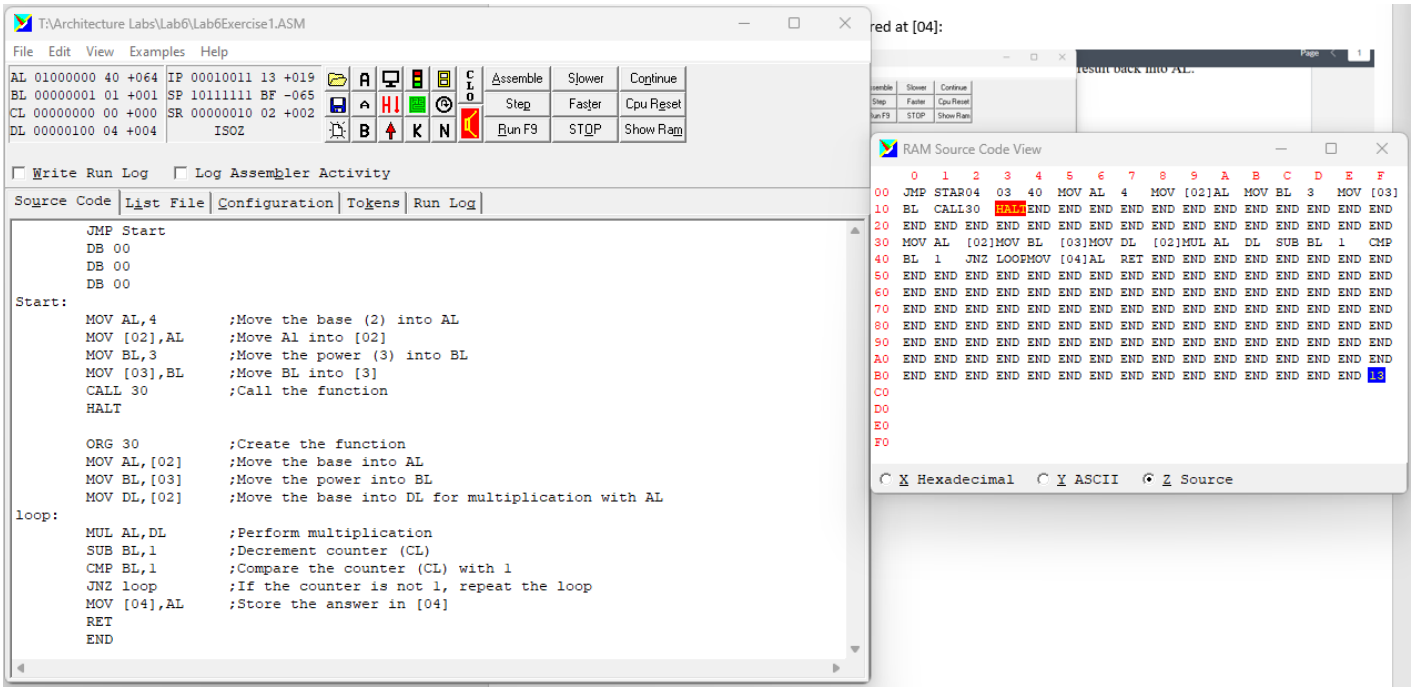
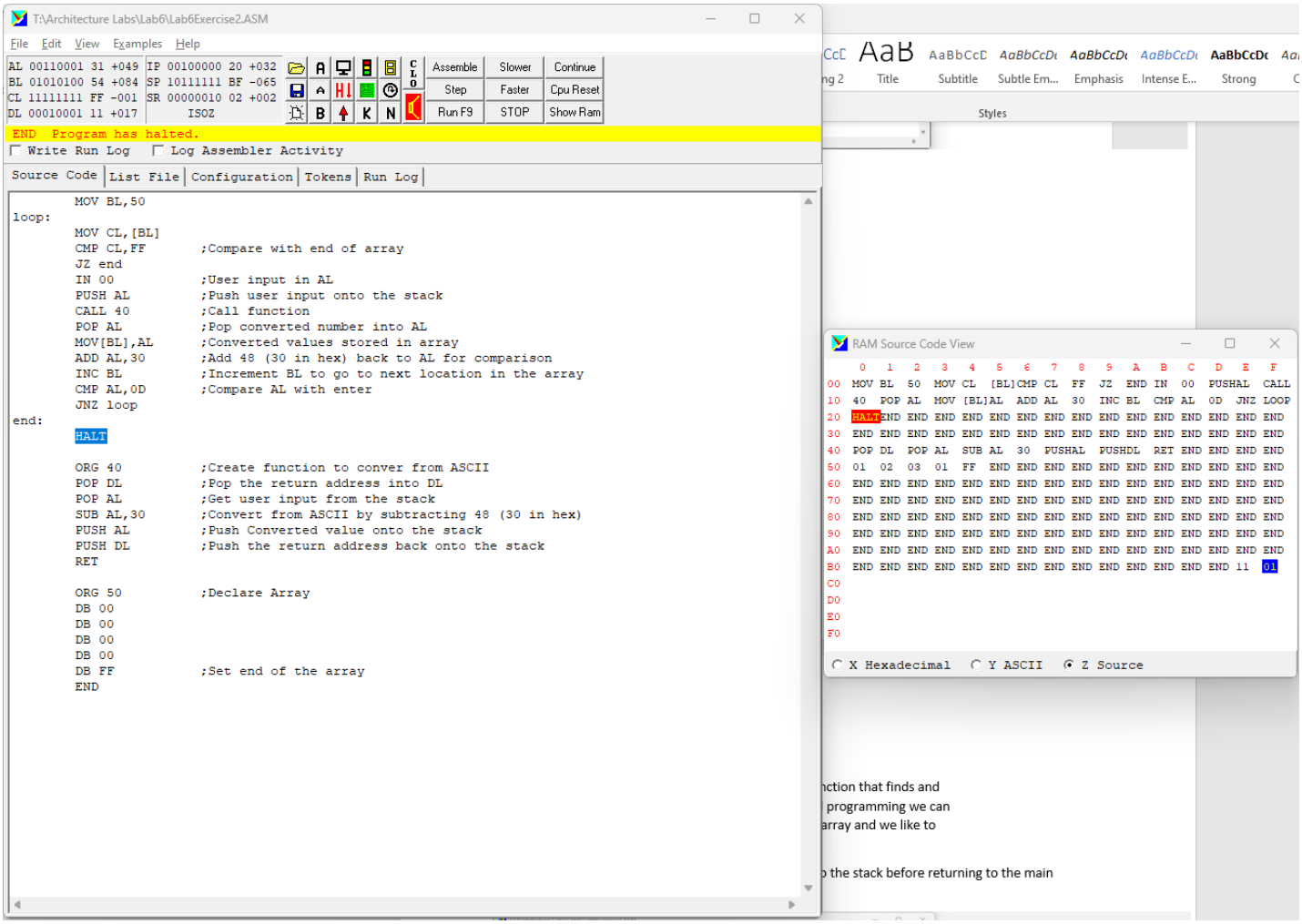
1.Write a function that calculates the power of a number. Pass the base and the power as parameters. Use RAM locations to pass the values to the function.
When testing use small numbers to avoid possible overflow.

This example uses 4^3, and the result is stored at [04]:



2. Take the integer converter from the previous lab, put the code into a function and pass the user's input to the function using the stack to pass the parameters. Enter four numbers and save them into an array.



3. Create the following array [2, 5, 10, 0, 6]. Create a function that finds and returns the average of the array. Remember in high level programming we can pass an array to a function by passing the pointer of the array and we like to pass the size of the array as well.

The result is stored in DL in the function and pushed onto the stack before returning to the main function.