
LAB 12 - NIOS II - SERIAL COMMUNICATION

Pre-Lab - Review the Use of Pointers in C

Review how pointers are used in a language like C. There are many tutorials available online. Here are a few:

https://www.tutorialspoint.com/cprogramming/c_pointers.htm

<http://www.geeksforgeeks.org/pointers-in-c-and-c-set-1-introduction-arithmetic-and-array/>

<https://www.programiz.com/c-programming/c-pointers>

<https://www.cprogramming.com/tutorial/c/lesson6.html>

Remember that when you declare a variable, whether it is a normal variable or a pointer, the compiler allocates a spot in memory for that variable. That spot in memory must then be assigned a value. For a normal variable, the value is typically an integer or a character. For a pointer variable, that value is always the address of another variable (usually a normal variable). The reference operator (&) is used on normal variables to get the address of the variable. The Dereference operator (*) is used with pointer variables to get the value of the normal variable that the pointer is pointing at.