**SKELETAL NOTES** (follow this template to take notes as you are working through the lab):

**Learning Objectives**

What are the main learning objectives for this lab?

**MIPS functions**:   
Write down the **MIPS commands** in their general form:

**Loops**:

Write down the MIPS loop structure:

**Unix:**List all the **bash commands** learned today and their syntax:

**FOCUS QUESTIONS** (Make sure you can answer these questions when you are done with the lab):

* What is a register?

* What’s a high-level programming language?
* Why do we write programs in high-level programming languages instead of assembly language (MIPS)?
* BEQ (branch on equal) combined with J (jump) essentially uses the logic of an if/else statement to build a loop by repeating the loop body on the else condition and exiting the loop on the if condition. This is done by redirecting the program to a particular line in the code via a label. Translate the following into a MIPS loop:  
   *if the value in register $s0 is equal to the value in register $s1  
   go to the line labeled DONE   
   else   
   go to the line labeled AGAIN*