This section shows the knowledge of basic Assembly. With this, learning basic assembly instructions, how to write and assembly program, and how a high-level language is translated into assembly was learned. Each file was written in MIPS and used the MARS compiler. Below is a quick video demonstrates of each program and all programs can be downloaded from below.

**Hello World**

This is a simple hello world program in assembly.

​**Multiples**

This is a simple assembly program which multiples two numbers which are given by user input.  With each iteration of the loop the number is printed out until the completion of the multiplication.

**Greater Than**

This assembly program takes in two inputs from the user and returns the one which is greater than the other.

**Atoi1**

This is a simple program which turns a entered string into an integer.

**Palindrome**

This program takes a string inputted by a user and lets you know if it is a palindrome or n

**FILES**

Here are the files for the above programs.  Some of the code must be updated and lack the necessary comments.