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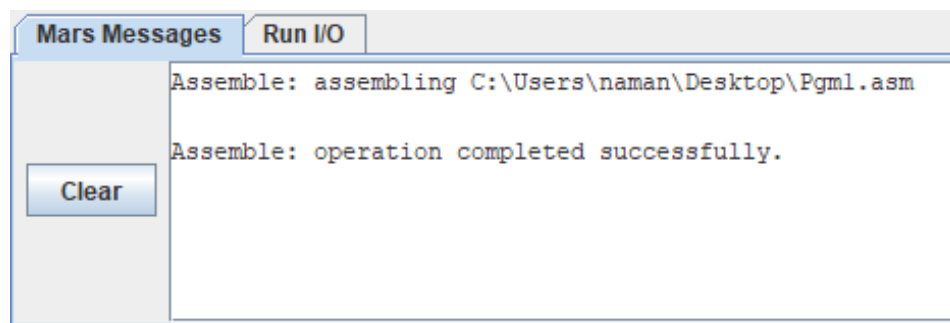
Report for Pgm1

Problem Statement

This assignment's purpose is similar to a "Hello World" program for any language. It consists of simply printing out something to the output. In this case, the author must print out his/her name as well as his/her birth month and date. For example, the output should print "Naman Gangwani 08/02" all on one line for me.

Approach to Solution

The printing of the author's name and birthday should be done utilizing the MIPS assembly language with the Mars IDE. Knowledge of the working with expression evaluation and system calls in order to print strings and integers is required. A computer running the Java Virtual Machine (JVM) will be needed along with access to the computer's registers for storage. Additionally, tools inside the IDE such as the assembling and running of the current program are essential.

Solution Description

When the Mars IDE has been launched and Pgm1.asm has been opened, it is important to build (or "assemble") the program before running it. To do so, click the "Run" button up at the top of the tool bar and then click the "Assemble" button from its drop-down menu. After clicking it, the program should successfully assemble, and there should be a success message from the "Mars Messages" tab at the bottom of the screen.

Once the program has successfully compiled, it is now time to run it. At the top of the screen, click the green play button in the tools with the description "Run the current program" when a mouse cursor is hovered over it. The "Run I/O" tab should now display the author's name and birthday on a single line.

Mars Messages	Run I/O

Naman Gangwani 08/02
-- program is finished running --

Clear