**Hello World**

Graphical user interface, application

Description automatically generated

**Output Constants, CR, LF**

**Graphical user interface, application

Description automatically generated**

In this exercise I created a simple program which prints out my name, a short paragraph, followed by a blank line and then ending with a goodbye. From this exercise I got to learn and get familiarized with what the MOVE, LEA, and TRAP commands do. I also got to use the CR and LF commands when printing out messages. It was interesting how removing the 0 from the end of a line creates a new blank line.

**Input Branching**

**Text

Description automatically generated**

In this exercise I created a simple loop that asks a user for numbers between 20 and 25. Each number from 20-25 had a corresponding message that is printed. If a number entered is out of this range, an error message is printed. The program terminates when my student ID is entered. In this exercise I learned how to get input from the keyboard and got to practice looping and printing out various messages based on input values. I had a problem in the program where when 25 was entered the corresponding message was printed but the error message was also printed. I later realized that I was missing a JMP LOOP command after 25 was entered that fixed the problem.