OS Group Project 1: Argument Passing

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We have implemented code related to loading and executing an executable file within a thread context. The primary goal was to set up the stack for the execution context and handling of arguments for the program being loaded. We have given some comments where we have deemed necessary.

In-depth Analysis:

1. Loading Executable and Setup Stack:

The `_name` of the program is obtained again using the `get_program` function which utilizes the `strtok` function. The code then tries to load the program using the `load` function.

2. Argument Extraction and Stack Setup:

We process command-line arguments by splitting them using the `strtok` function. It extracts argument values from the input string and stores them in an `argument_values` array.

Setting up the stack with arguments, by iterating in reverse, because the algorithm of a stack, where the last item we enter is removed first.