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Lab 03 - Part 1

This program has two components: a header file, paging.h, and the main file paging.c. The paging header file defines various structs used in our implementation, including page_table, physical_address, and logical_address, as well as the function *new_logical_address().

Within paging.c, the important logic takes place. The two key methods are compute_page_number() and compute_page_offset(), which use simple bitwise shifts to take a logical address and express it as a page number and page offset. These helper methods are called by the perform_paging() function, which in turn is called by main() during a run of the program. Results from the computation methods are printed to the console.