<u>SimpleLoader: An ELF Loader in C from Scratch</u>

Contributions:

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GitHub Repository: https://github.com/YashVerma-251103/OS/tree/main

Implementation (With Bonus):

- The SimpleLoader opens a given ELF file and reads the content into memory then parses the ELF Header into Elf32_Ehdr format and Program Headers into Elf32_Phdr format.
- It goes through the Program Headers to find a Loadable Program segment containing the program entry point by checking the starting and ending points of the Program segment.
- It allocates memory for the chosen program segment and then copies the content of the program segment onto that allocated memory.
- It skips the byte difference between the starting address of program segment and starting address of program entry.
- At last, it typecasts the remaining part to int and prints the output.