

Post project write-up - Fibonacci

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1 Introduction

The task was to write a program in x86 assembly language that uses the first command-line parameter as a number N from 0 through 100. The program should print out $F(N)$, in hexadecimal.

2 Option Handling

One of the primary challenges encountered during the project was proper option handling. It is easy to handle CLI in C, or Python, but not as simple as I thought it would be in Assembly.

3 Data Type Conversion

Another challenge faced during the project was incorrect data type conversions. Specifically, being able to get the math register to go over 128 bits. It was a long time trying to figure that one out

4 Conclusion

In conclusion, the project faced several challenges, such as option handling, and data type conversions. However, these issues were eventually resolved with debugging, persistence, and proper troubleshooting.