



NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY

Practical Report

Microprocessors and Microcontrollers

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1 The Fibonacci sequence

1.1 Objective

Write an assembly program to generate the numbers of the Fibonacci series.

1.2 Implementation

The Fibonacci sequence is defined as follows:

$$F_0 = 0$$

$$F_1 = 1$$

$$F_n = F_{n-1} + F_{n-2}$$

1.2.1 Assembly code

1.3 Output

2 Results

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References

- [1] D. Knuth, “Knuth: Computers and typesetting.”