Experiment 4

Class: SE Comp Year: 2020-21

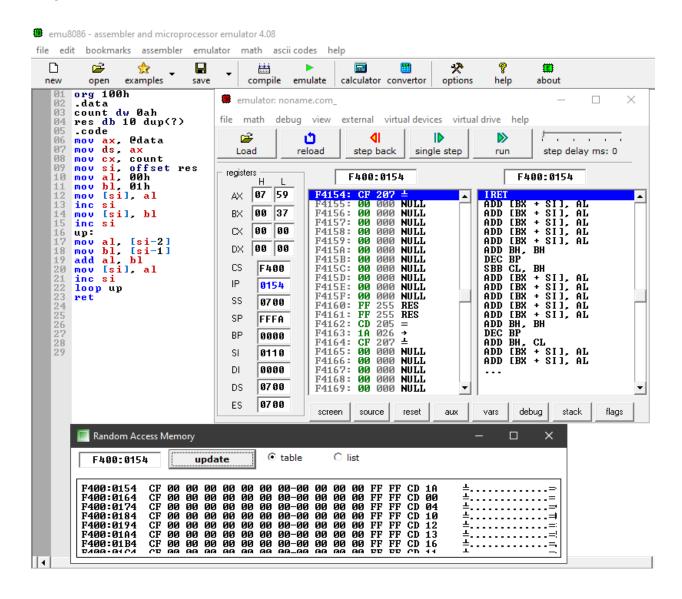
Performed by: Danyl Fernandes, 72

Fibonacci series:

Code:

```
org 100h
.data
     count dw 0ah
     res db 10 dup(?)
.code
     mov ax, @data
     mov ds, ax
     mov cx, count
     mov si, offset res
     mov al, 00h
     mov bl, 01h
     mov [si], al
     inc si
     mov [si], bl
     inc si
up:
     mov al, [si-2]
     mov bl, [si-1]
     add al, bl
     mov [si], al
     inc si
     loop up
ret
```

Output:



Conclusion:

We successfully wrote an assembly language program to find the fibonacci series of N given terms

Exp 04

Aim: To write an assembly language program to find fibbonacii raises of M given teems.

Algorithm:

- Start the pregram

- Inititalize the data sections
 Initialize the counter = 10, OAH
 Initialize SI to the starting address of
- Store the first term at location where

 \$1 is pointing & increment \$1 to point

 next location

 Store next term "I" at location where \$1

 is pointing & increment \$1 to point next

 location
- Perrement counter & check it count -o, it not go to skep 8
- Shp

flow Chart: Start) Initralize counter=10 Initialize SI = starting address of res Stone first term Increment SI to next location Store the second term ie I at location where SI 15 pointing Increment SI to next 10 cation Addition = [51-2] - [51-1] pecrement countere 1s count = 0? Stop