

Febonacci sequence.

Project-2 50% of your final exam grade. (Assigned on 11-27-2024)

Write an assembler program that lets the user enter a decimal number which is the number # elements in a Febonacci sequence.

The program will display the Fibonacci sequence with the number of elements equal to the number entered.

For example if the number of elements is equal to 22 then the sequence will display the following:

```
Enter the number of elements --> 22
0,1,1,2,3,5,8,13,21,34,55,89,144,233,377,610,987,1597,2584,4181,6765,10946
```

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

Hint: You will need to use the following variables:

```
msg1 db "Enter the number of elements --> ", "$"
```

```
Num_of_elements dd 0
```

```
by_10 dd 10
```

```
stk_count db 0
```

```
fn dd ?
```

```
fn_1 dd 1
```

```
fn_2 dd 0
```

Project is due by December 6, 2024 email to prof@dpeled.com

Good Luck!