

HW3

- ▶ Filename: HW#_StuID.zip
 - Ex) HW3_Q123456.zip
- ▶ Due: Next Wed. 23:59:59

HW3

- ▶ Fibonacci numbers or Fibonacci series or Fibonacci sequence are the numbers in the following integer sequence:

| F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F | F |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 0 | 1 | 1 | 2 | 3 | 5 | 8 | 13 | 21 | 34 | 55 | 89 | 144 | 233 | 377 | 610 | 987 | 1597 | 2584 | 4181 | 6765 |

- ▶ $F_0 = 0, F_1 = 1$
- ▶ $F_n = F_{n-1} + F_{n-2}, n \geq 2$

http://en.wikipedia.org/wiki/Fibonacci_number

HW3

- ▶ Write a program to compute the Fibonacci numbers
- ▶ Output the Fibonacci numbers F_0 to F_n with a user input parameter “n”