

KEY CONCEPTS:

We discussed the idea of recursion as a way to solve certain problems. In this method, a function is allowed to call itself.

You can refer to documentation here:

https://www.w3schools.com/python/gloss_python_function_recursion.asp

Class Code:

<https://colab.research.google.com/drive/14X0vnG0i9w588453T4HQPSsaRWVP4D6I>

Homework:

```
# HW1: Create a recursive function to return the Nth fibonacci number
# N: 1 2 3 4 5 6 7 . . .
# fn:1, 1, 2, 3, 5, 8, 13, . . .

# HW2: Create a recursive function to return sum of numbers up to n
# N: 1 2 3 4 5 6 7 . . .
# fn:1, 3, 6, 10, 15, 21, 28, . . .
```

You can read more about fibonacci numbers here:

https://en.wikipedia.org/wiki/Fibonacci_sequence