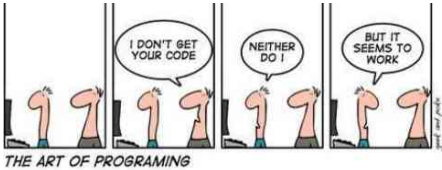


Spyder

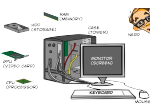
How python works



Python is interpreted

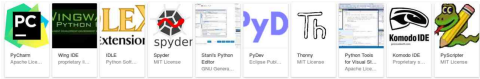
```
def fibonacci(n):
    fibonacci_list = []
    for i in range(1, n+1):
        fibonacci_list.append(fibonacci(i-1) + fibonacci(i-2))
    return fibonacci_list

n = 10
fibonacci_list = fibonacci(n)
print(fibonacci_list)
```



Editor

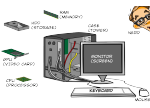
- A good editor makes writing code easier



Using spyder

```
def fibonacci(n):
    fibonacci_list = []
    for i in range(1, n+1):
        fibonacci_list.append(fibonacci(i-1) + fibonacci(i-2))
    return fibonacci_list

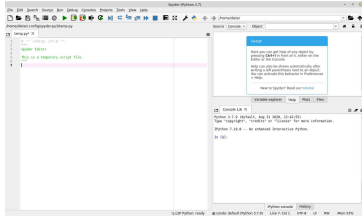
n = 10
fibonacci_list = fibonacci(n)
print(fibonacci_list)
```



Why Spyder?

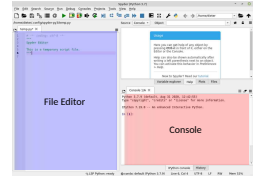
- Good balance between simplicity and functionality
- Comes with Anaconda Python
- Feel free to try other editors

Spyder user interface



- We talk to Python in two ways.

- **Interactively**
 - Send one command at a time
 - Does not save work!
- **Write a program**
 - Send a batch of commands
 - Your work is saved in a file.



Hint

- If you ever mess up the layout and you wish to return to the default one, go to
 - view > window layouts > Spyder Default Layout.