

Tasks

September 1, 2022

0.1 Task #1

Take the password as input, but in an obscure format.

Leverage the library of `getpass`:

```
[1]: import getpass
     p = getpass.getpass()
```

.....

```
[2]: p
```

```
[2]: '44'
```

0.2 Task #2

What is the jupyter equivalent but for C++. `xeus-cling`

- Because C++ is compiled, it has to act like an interpreted so, here comes the role of Cling
read more about `xeus-cling` and installation guide: <https://github.com/jupyter-xeus/xeus-cling>

0.2.1 Task #3

simulate do-while loop

```
[9]: flag = True
     condition = (4==5)
     while flag:
         # code here will run at least one time even if the condition is false
         print('some code')
         if condition:
             print('do some thing')
         else:
             flag = False
```

some code

0.3 Task #4

- not solved

```
[1]: increment = 2
for i in range(0, 100, increment*(i)):
    print(i)
#     increment *= 2
```

```
-----
NameError                                Traceback (most recent call last)
Input In [1], in <cell line: 2>()
      1 increment = 2
----> 2 for i in range(0, 100, increment*(i)):
      3     print(i)

NameError: name 'i' is not defined
```

0.3.1 Task #5

- not solved

0.3.2 Task #6

Important rules for clean code:

- I have found this amazing article: [click](#)

0.3.3 Task #7

- dependency injection

<https://www.youtube.com/playlist?list=PL3aG1K3LWCrfvjEBkx3ujAtg7yK0zzTiY>

0.3.4 Task #8

Why recursion is faster than iteration ?

0.3.5 Task #9

Information about Threads in os.

```
[ ]:
```