Assignment Day 8 | 8th September 2020

For any doubts regarding the assignment, ask questions in the [Python Group](#) in the Community.
Submit Assignments by <mark>13th September 2020 5:00 PM.</mark>

Assignment Submit Form : https://forms.gle/4n6vjSRo5fyZN37C8
<mark>**Submit assignments in Appropriate Dropdowns.**</mark>

Question 1

Write a decorator function for your taking input for you any kind of function you want to build,

For example - You make a fibonacci series function,in which your input range is been defined by the decorator program input.

```
def fib(self, N):
    """
    :type N: int
    :rtype: int
    """
    cache = {}
    def recur_fib(N):
        if N in cache:
            return cache[N]

        if N < 2:
            result = N
        else:
            result = recur_fib(N-1) + recur_fib(N-2)

        # put result in cache for later reference.
        cache[N] = result
        return result

    return recur_fib(N)
```

Question 2

For this challenge you need to develop a Python program to open a file in read only mode and try writing something to it and handle the subsequent errors using Exception Handling.

```
n = int(input("Please enter a number: "))
```

```
while True: try: n = input("Please enter an integer: ") n = int(n) break except ValueError: print("No valid integer! Please try again ...") print("Great, you successfully entered an integer!")
```

FAQs

Q. How to submit Assignments?

A. Create a Github public repo and name it LetsUpgrade Python Essentials
B. Upload the files/solution in the repo in a day wise manner.
C. Copy the URL of the Folder of that day and paste in the Assignment Submission Form (Google Form)
D. Make sure you are filling correct details in the Assignment Submission Form.

Q. When do I submit the Assignments and how?

A. Assignments need to be submitted by 5:00PM. You can use Jupyter Notebook or python files or even Google Colab to Submit your Assignments.

Q. Where do I get class links for next session?

A. All sessions will be Live on Youtube from Day-1 to Day-7 8:00 PM, Subscribe to LetsUpgrade YouTube Channel. You'll also get an email with the link to the live session.

Q. I have some doubt, whom do I ask?

A. (a) Post your Queries on the community, someone will help you out.
(b) We have a discussion group which you can access by Joining LetsUpgrade Telegram Channel (@letsupgrade_in).

Q. Can we submit multiple .py or .ipynb assignment solution files for each question separately?

A. You can zip all the files together and submit. Make sure you are submitting a single file.

Q. How can we know if my assignment is verified or not? And is it successfully submitted or not?

A. You will receive a mail for your successful submission.