Assignment Day 9 | 11th September 2020

For any doubts regarding the assignment, ask questions in the Python Group in the Community.
Submit Assignments by 13th September 2020 11:59 PM.

Assignment Submit Form : https://forms.gle/4n6vjSRo5fyZN37C8
Submit assignments in Appropriate Dropdowns.

Question 1

Write a python Function for finding is a given number prime or not and do Unit Testing on it using PyLint and Unittest Library.

```
def test_prime(n):
    if (n==1):
        return False
    elif (n==2):
        return True;
    else:
        for x in range(2,n):
            if(n % x==0):
                return False
        return True
print(test_prime(9))
```

Question 2

Make a small generator program for returning armstrong numbers in between 1-1000 in a generator object.

```
lower = int(input("Enter lower range: "))
upper = int(input("Enter upper range: "))

for num in range(lower, upper + 1):

    order = len(str(num))
```

```python
sum = 0

temp = num
while temp > 0:
    digit = temp % 10
    sum += digit ** order
    temp //= 10

if num == sum:
    print(num)
```

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.