DAILY ONLINE ACTIVITIES SUMMARY

Date:	23-05-2020		Name:	M.C Suchithra Heggade
Sem & Sec	VI A		USN:	4AL17CS047

Online Test Summary				
Subject	Python IA Test			
Max. Marks	30		Score	19

Certification Course Summary				
Course	Python for Machine learning			
Certificate Provider	Great Learning		Duration	5hr

Coding Challenges
Problem Statement: 1. **Write a C Program to Generate First N Triangular Numbers (Where N is read from the Keyboard).**
Status: Completed

Uploaded the report in GitHub	Yes
If yes Repository name	https://github.com/Suchitraheggade/certification-and-online-coding
Uploaded the report in slack	Yes

Online test Detail:

Online Certification Details

Modules completed:

Data Structures, Tuples, Dictionaries, Sets, Conditional Statements,Lists.

olympus.greatlearning.in/courses/10899/pages/data-structure-hands-on?module_item_id=445756

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Content

Data Structure hands-on

Python for Machine Learning - Overview

Course Overview

Introduction to Python

- Why Python, Python vs R, python IDE
- Anaconda installation, Intro to Jupyter notebook
- Jupyter Notebook shortcuts
- Data Structure hands-on
- Conditional Statement
- Loops
- Other Functions

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localhost:8888/notebooks/Introduction%20to%20Python.ipynb#Tuples

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DATA STRUCTURES IN PYTHON

Lists

- A list can store a sequence of objects.
- These objects can be of various types.

```
In [ ]: mylist = ["Hello",12,"world",11.111,'Me2'] # A list can have both strings and numbers
        print(mylist)
        type(mylist)
```

Lists can be indexed in the same way as strings

```
In [ ]: print(mylist[0])
        print(mylist[1:3])
        print(mylist[-1])
```

Lists can be concatenated like strings

```
In [ ]: a=[1,2,3,4]
```

Type here to search   ENG 08:40 23-05-2020

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localhost:8888/notebooks/Introduction%20to%20Python.ipynb#Tuples

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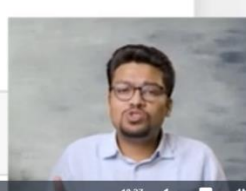
Markdown

Tuples

They are very similar to lists

```
In [ ]: mytup = ( 'welcome', 21.223, "hello world", 70.2  )
        type(mytup)
```

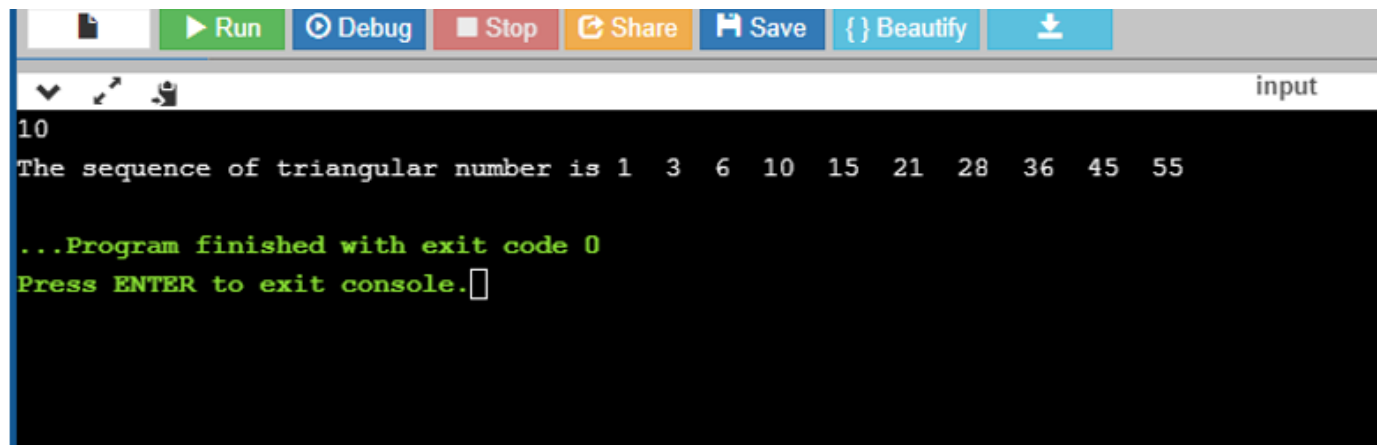*How are lists and tuples different?*

- Elements in a tuple cannot be edited once assigned.
- A tuple cannot be appended to or extended in anyway.
- A tuple is immutable.
- Lists are mutable.
- You can expand lists to include more objects.
- Tuples are indexed similar to lists

```
In [ ]: print(mytup[0])
        print(mytup[1:4])
        print(mytup[-3])
```

30:24   -10:37 1x

Coding Challenge Details

1. Write a C Program to Generate First N Triangular Numbers (Where N is read from the Keyboard)

```
10
The sequence of triangular number is 1  3  6  10  15  21  28  36  45  55

...Program finished with exit code 0
Press ENTER to exit console.
```