



Scan here or visit our website to register ->

<https://www.CapitalRoboticsClub.com>

Python Assignment 8

Python Basics:

Python Collections

Brought to you by



Robotics Team - VRC 99909A Rising Phoenix

Class Recap

Python Collections (multiple variables grouped together under a common name):

- **List** is a collection which is ordered and changeable. Allows duplicate members.
- Tuple is a collection which is ordered and unchangeable. Allows duplicate members.
- Set is a collection which is unordered. No duplicate members.
- Dictionary is a collection holding key/value pairs, which is unordered, changeable. No duplicate members (keys)

E.g.

```
>>aList = [2, "hello", 3.5, "world"]  
>>print(aList[1])  
>>hello
```

Python collections are heterogeneous. They allow a mixed element of different types to be grouped together.

Assignment 1:

Create a list to store all your favorite food there. Display them in the console.

Assignment 2:

Create a list of integers and find the sum of the 2nd and 3rd element.

Assignment 3 - CodingBat:

Review this first: <https://codingbat.com/doc/python-lists.html>

List-1 > first_last6

<https://codingbat.com/prob/p181624>

.

List-1 > make_pi

<https://codingbat.com/prob/p113659>

List-2 > count_evens

<https://codingbat.com/prob/p189616>