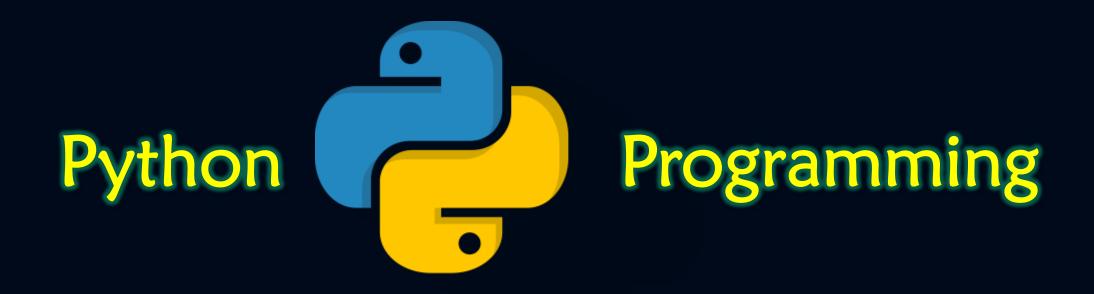


Day 9: Classes and Objects





# Tutorials



## Exercise 1:

Write a Python class to find validity of a string of parentheses, '(', ')', '{', '}', '[' and ']. These brackets must be close in the correct order, for example "()" and "()[]{}" are valid but "[)", "({[]]" and "{{{" are invalid.



# Exercise 2:

Write a Python class to get all possible unique subsets from a set of distinct integers.



## Exercise 3:

Write a Python class to find a pair of elements (indices of the two numbers) from a given array whose sum equals a specific target number.

Input: numbers= [10,20,10,40,50,60,70], target=50 Output: 3, 4



#### Exercise 4:

Write a Python class to find the three elements that sum to zero from a set of n real numbers.

Input array: [-25, -10, -7, -3, 2, 4, 8, 10]

Output: [[-10, 2, 8], [-7, -3, 10]]



# Exercise 5:

Write a Python class to implement pow(x, n)



# Exercise 6:

Write a Python class to reverse a string word by word.

Input string : 'hello .py'

Expected Output: '.py hello'



# Next Lecture ...



Day 10: Classes and Objects (2)

