

DAILY ASSESSMENT

Date:	24/07/2020	Name:	YAMUNASHREE N
Course:	Workshop	USN:	4AL17EC097
Topic:	How to develop Pythonic coding rather than Python coding	Semester & Section:	6 TH SEM & 'B' Section
Github Repository:	yamunashree-course		

SESSION DETAILS

```
+ Code + Text
[19] print(cars)

[3, 'BMW'], (1, 'Ford'), (2, 'Mitsubishi'), (4, 'VW')]
[(4, 'VW'), (2, 'Mitsubishi'), (1, 'Ford'), (3, 'BMW')]
[(4, 'VW'), (2, 'Mitsubishi'), (1, 'Ford'), (3, 'BMW')]

[21] #itertools.groupby
from itertools import groupby
things = [("animal", "bear"), ("animal", "duck"),
for key, group in groupby(things, lambda x: x[0]):
    for thing in group:
        print ("A %s is a %s."%(thing[1], key))

[22] #Combinations Of string "SADIK" OF SIZE 3. A school bus is a vehicle.

from itertools import combinations

letters = "SADIK"

# size of combination is set to 3
a = combinations(letters, 3)
y = [' '.join(i) for i in a]
print(y)
```



+ Code + Text

RAM Disk Editing

<>

[14] # is used to call the specified function for each item of an iterable (such as string, list, tuple or dictionary) and returns a list of results.
#Map() function with lambda in Python
[1, 4, 9, 16, 25]
[1, 4, 9, 16]
def square(x):
 return x*x
numbers=[1, 2, 3, 4, 5]
sqrList=map(square, numbers)
print(list(sqrList))
use lambda function to have direct values
sqrList1 = map(lambda x: x*x, [1, 2, 3, 4])

[1, 4, 9, 16, 25]

[16] #Program for exchanging first and last characters of a string using function
#Slicing operations in string
def change(string):
 return string[-1] + string[1:-1] + string[0]
string=input("Enter string:")
print("Modified string:",change(string))
print('original string :',string)

Rectangular Snip

Edit with WPS Office



Alva's Institute of Engineering & Technology

(Affiliated to Visvesvaraya Technological University, Belagavi)
Shobhavana Campus, Mijar, Moodbidri-574225



Certificate of Participation

This is to certify that


Yamunashree N


of

Alva's Institute of Engineering and Technology

has participated in a four day online workshop on "How to develop Pythonic coding rather than Python coding – Logic Perspective" from 21st July, 2020 to 24th July, 2020 jointly organized by the Department of Computer Science and Engineering and Department of Electronics and Communication Engineering, Alva's Institute of Engineering and Technology, Mijar.


Dr. S Mohideen Badhusha
Convenor


Dr. Manjunath Kotari
HOD, Dept of CSE


Dr. D V Manjunatha
HOD, Dept. of ECE


Dr. Peter Fernandes
Principal

