	Page No.:
	Chapter -13
	Advanced Python 2
	Virtual Environment
. ,	An environment which is sump as the system
	interpretor but is isolated from the other
	exthon environments on the system.
	Installation
	To use virtual environments, we write
- 1	and the case is seen to be a first that the first of the case of t
	pip install viotualenv
	Linistall the package
	We write, create a new environment using:
	- 2 CONCIENT ONES I STREETING TOWN OF THE CONTRACTOR
	virtualent myprojectent -> creat a new venu
	The most star of the start of t
	The next step ofter creating the virtual
	environment is to activate it.
	de can now use this virtual environment as a spparate python installation.
	a straight thrullation.
	pip freeze command
	Dio freeze returns all the occleans in I
	pip freeze returns all the packages installed in a given python environment along with the
	versions et line the
	1 sayour eldinouses with the house of the
	"pip freeze > requirement.txt"
	The above command creats a file named requirementation the same directory
	requirement txt in the same director.
	,

П	
	containing the output of pip freeze.
	We can distribute this file to other uses and
	they can recreate the same environment
	using!
	pip install - v requiriment.txt
	Lambda functions
	function created using an expression using
	function created using an expression using lambda keyword.
	and the second of the second o
	Syntax:
	lambda arguments: expressions Lambda arguments: expressions
7	La can be used as 9
	normal function
	example:
	double the secretary the visited
	Square = lambda x: x*x
	sayare (6) Institute and some
_	LA returns 86
_	
_	sym = lambda 9, b, C: 9+b+c
ì	84m (1,2,3) -> returns 6
	Tolkin with the distribution of the same o
_	Bin method (strings)
_	Bin method (strings) executes a string from iterable objects.
_	1 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
_	l = ["apple", "mango", "banana"]
_	The state of the s
_	"and".join(1)

DATE:

	PAGE NO.:  DATE:
	The above line will return "apple, and, mango
	and, banana"
	format method (Strings)
7	formats the values inside the string into a
1	destred output
	template format (P, Pe)
	template tormat (f, fe)
	Syntax for format looks like:
	shings to a tour lat 100kg like;
	"93 is a good 83" format ("Abhi", "boy") - P
	" £ 13 is a good £ 03" format ("Abhi", "boy") - @
	Output tor P
	Abhi is a good boy.
	Output for @
	Boy is a good Abhi.
	그는 그 그는 그는 그를 가는 사람들이 아니라 아이를 잃었다. 그는 그런 얼굴에 다른 그를 다 하는 것이다.
	Map Filter and Reduce
	Map Filter and Reduce Map applies a function to all the items in an
	input - list,
L	Tran be tambda function
	Syntax: map (function, input-list)
	1710 C191017 111001 - (151)
	filter creates a list of items for which the
	function returns true.
	ro can be a lambda
The state of the s	list (filter (function)) function

Reduce applies a rolling computation to sequential pair of elements. from functions import reduce

val = reduce (function, list1)

Lo can be a lambda function If the function computer sum of two numbers and the list is [1, 2, 3, 4] 192,34 3 4 Sequential Computation

PAGE No.:

Chapter-13 Practise Set

Que! Creake two virtual environments, install few packages in the first one. How do you create a similar environment in the second one?

Que? Unite a program to input name, marks and phone number of a student and format it using the format function like below:

"The name of the student is Abhi, his marks are 72 and phone number is 99999888"

Que3 A list contains the multiplication table of 7.
Write a program to convert it to a vertical
String of some numbers.

Que 4 Hrite a programk to filter a list of number which are divisible by 5.

Que 5. Write a program to find the maximum of the number in a list using the reduce function.

Bue 6. Run pip freeze for the system interpreter.
Take the contents and create a similar
virtual env.

but I explore the flask module and create a useb server using flask and fython.