

		el
	gilles-	
	comité an appliction using HBase and Hive	
	QL For Flight information system which coill include	2
	(a) Coedling, mopping and alterning dutabase tables	
	2) Creating an external Hive table to connect to	
	the HBase For Customer information tuble	2
	37 Loud duble with data insert new values and	215
	Orield in the tuble Join tubles with hive	de
	47 Oreale index on Plight information table	-
4	5.7 Find the overage dependence delay per day in 2008.	-
	Laurid an Baldak a march sea helder a yill	2 3
	objectives - to apply those and tiveal on vorious	-
-	application	-
	prequisite 3- Java programming	
	and an analysis and and	lues
	theory o-	
	conot is the defination of Hive? what is the	
-	present version of hive and explain about	
-	ACID transactions in Hive?	
	Hive 3 id is a database b database	
	cohere data is typically loaded troom butch	
	perfossing for analytical purposes	
	* the last version of tive 3.1.2 deleused	
	on August 26,2019	
-	* use cases that require dransation with ACID	
	properties en have	
-	1) Streaming data :- with ACID we can insent	
	update our same have pattern without	
1	affoching performance of doble	

are required which are can easely acheved by insent Juphate delete operations

(iii) Bulle updates using SQL morge statementwith bluk marge, Small Jules can be marged into Pile controut affecting read performance

2) what land of data washouse in suitable for hive what use types of tables in hive?

* hive is most suitable for data suarehouse application because

· Analya delatively state data

· has less responsive table

« does not make rapid changes in data

* there are two types of tables,

· managed tubles

· external tables

3) is it possible to add loo nodes cohen we have

yes we can add by following steps

* faire new System, execute usernare and pass

* install 55H and makes node Sétup SSH connetions

* Add 5sh public i'd Icey to authough key Files

* Add new data mode has tname , i padres, and other

the Sps Comd



Date

47 cohat is metastor in hive & what is difference between local and memote metastore?

metadtore is central reprository of Live meta

local Node 3- the hive metastore reserville are in the sange process but make hive metastore database runs in separate process as it can be on separate host in local mode

Remote mode :-

hive metadastore a securces are in its

conclusion :-

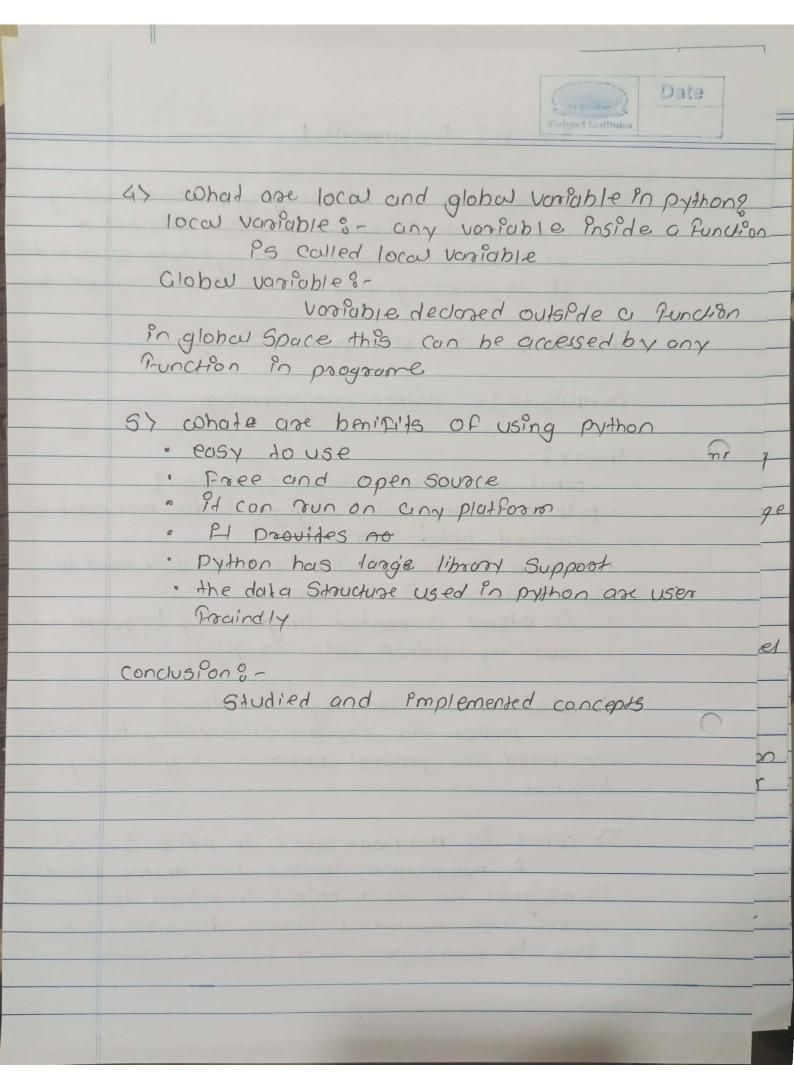
On various applications.

Pool B & Assignment 1 Title o- perform the following operations using python on Farebook mcariscs dutor set a a) Create duta Subset (merge data (sort dala d transposing data @ Shape and reshape data Objectives- 70 use python concept prequisites- python programming. theory 8cohal are key features of python? · python is integrated language it does not need to compiled before our state type of voolable · i't object oriented programming language · coniting python code is quick 2) what type of language is Python?

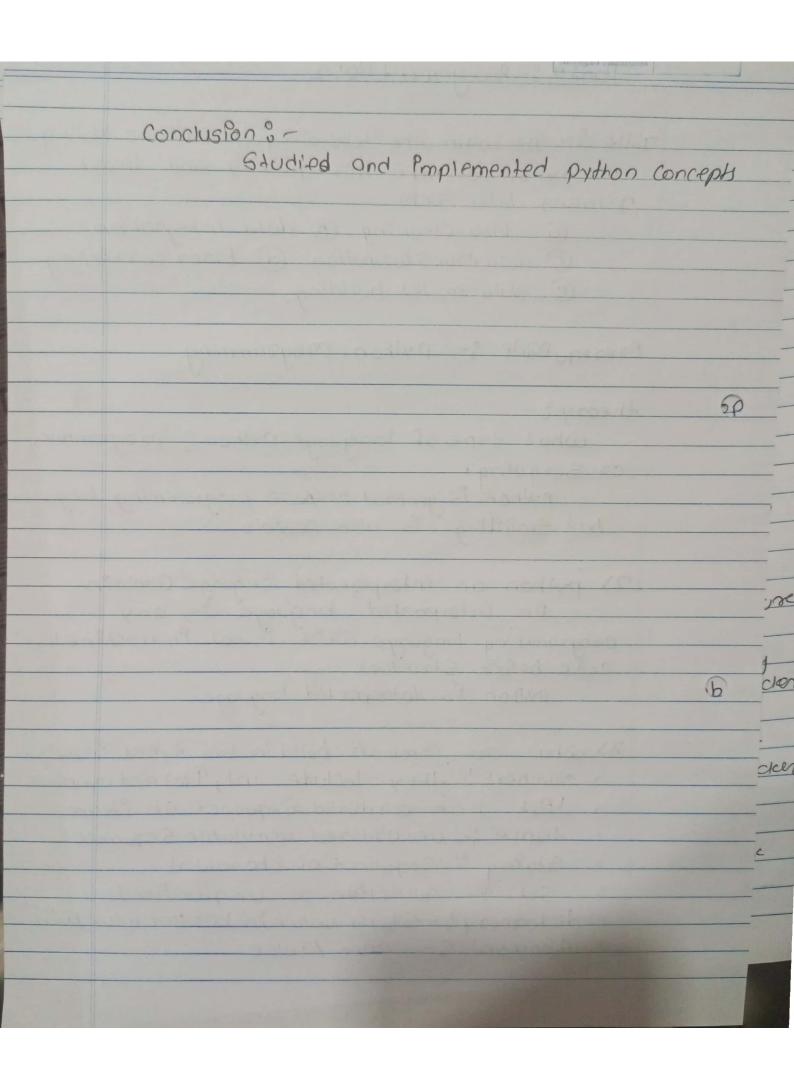
python is capable of scripting but it is

considered as general purpose programming language 3> what is maname space in python & A namespace deless to mame which is assigned to each object in python the name -spaces age mandaned like a dictionary where Icey Ps namespace and value Ps ochess

(



Sinhgad Institutes
Part B: - Assignment No: 2
Title :- perform the Following operations using python on the Ara quality and hierat Dieases data Sets (a) data cleaning (b) data integration (c) data transformation (d) from correcting (e) data model building.
Prenequesite 3- python programming
theory 3- what type of language python? programming on Scripting. python is general perpose programming language but scripting is also possible
2> python an interpreted language Emplain An interpreted language is any programming language which is not in machine level code before Structure Python interpreted language
3) conat are common build in data types in python. Numbers! - they include int, Flot and complex. 19st: an ordered Sequence of iteum. tuple: - an ordered immutable Sequence. Starng: Sequence of characters. Set 3- collection of unique Hers. dictornory: - Stores value in key and value pair
· Boolean 3- Arue / Pulse



PART B 3- Assignment Noir 3

Ditle 3- integrate python and Hadoop and perform
the Pollowing aperations on Provest Prove
dataset @ data and 178is using the map Reduce in
pritadoop B Data mining in Hive

Objective :- 10 use python concept

presenuisite or python programming

theory o-

(

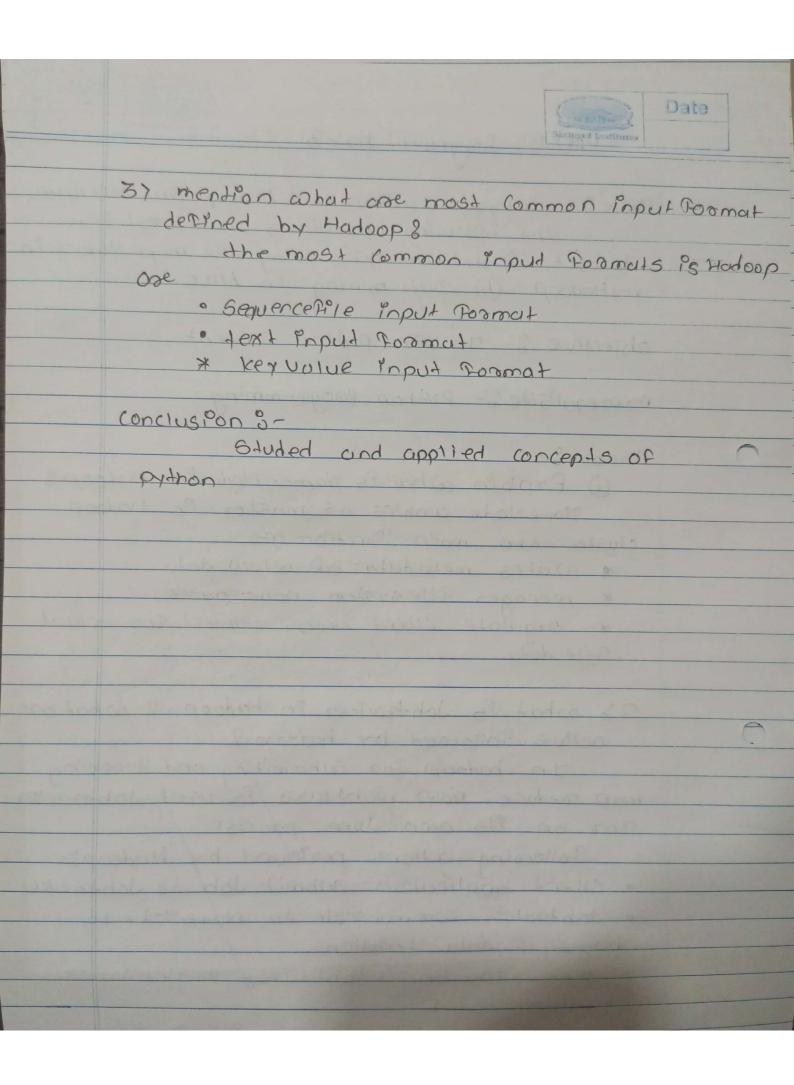
- D'Explain what is Name Node in Hudoop & Nomenode woodes as master in Hudoop cluster the main Function one
 - * states metadata of actual data
 - * manages Pilebystem namespaces
 - * regulate client access request for actual

active followed by hodoop ? what was

In hodoop for Submmitting and tracking map reduce poles, Jobtrales 93 used Jobtracles from on 945 own Jum process

Pollowing attons per Pound by Hadoops-

- · client application submit Job to Jobtoocker
- determine data location
- Mean location Jobtraices locates track trailers nodes
- · an chasen node Pt Submit want



Paral B & Assignment 4

Mille &- Visualize the dula using python libraries matpholib, seaborn by Plotting the graphs
for assignment no 2 and & Carroup B)

Objective or to use python correpts

theory 3-

1) How to coeate multiple subplots in maltipletib in pathon ?

Higure along with axes object or axery of axes object in row; n code attribute of subplot (c) method determine the m. of source end columns subplot gold

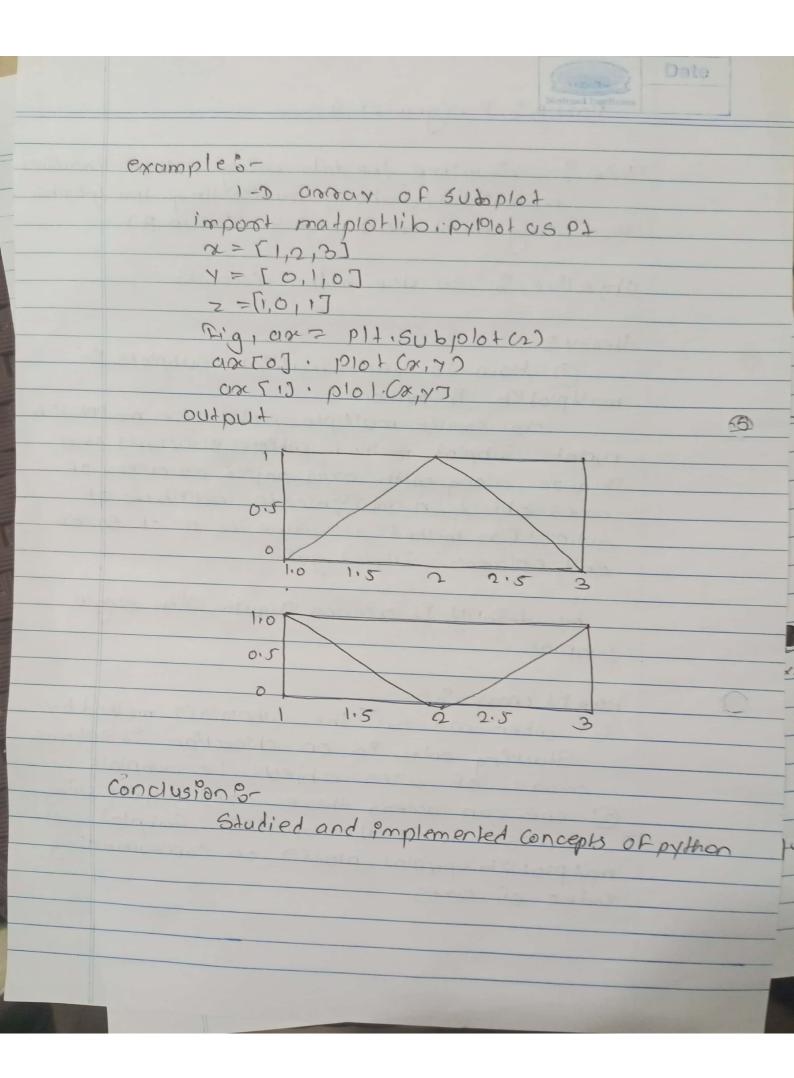
by defauld Pt neturns Origine with single Supplot

How Pd works o.

Dehen we call the subplots on method by Staveing only in on chiaection it returns around of axes objects ite subplots

Defect wing ndicess these axes object wing ndicess to Create specific subplot call mutplotlib pyplot. plot() on corresponding

ender of cires



Part Bo- Assignment 5

Title 8- perform the following data visualisation

operations using tableau on Adult and

I operations using tableau on Adult and

I operations as a continear data visualization

(B) 20 (planner) Data Visualization (C) 3D visualization

- on (E) tree/himreachical data visualization

(g) pletwoode data visualization

objective &- To use python concept

quearl ?-

What PS TABLEAU

TABLEAU PS a visual analyties platform transform ating the way we use data to solve problems empouring people and organization to make most of them data

What is data Visualization &

it is graphical representation of

information and data by using visual elements

like Charat graphs and maps provides accepte

want to see understand trands outless patterers
in data

3) list out TABLEAU File extensions: 5Worldbooks (.twd) - tubes wordcbook hold one
move wordsheet
Books (.tbm) - it is easy way to quidy
Share yours works

