Explain how to dump specific table in to

File and dump only table staucture providing
example.

- -> Splite dump commund;
- In spite dimp commund is used to dump the dutu base table's schema and tables duta based on our requirements.
- By using squite dump commund are commund some commund the structure and duta of the tables
- -> syntax of squite dump command:
- Followind is the syntext
- -> splite dump only table schema
 - To dump only schema of specific table splite offers " schema" command and we capped mediated out put of his command to external command.

er: - open product muster db

- table
 - output product schema. 591

- schema products
- quit
- Thow to import ussy file in to a table of sive appropriate example.
 - -> impant a csv File in to a table :
 - J. In the First scomania, you want to impart duta from csv file in to a table does not exist in the solite dutabase.
 - Ly Fists, the squite 3 tool corectes the squite 3 tool uses the first stow the cave file us the name of the tuble.
 - Ly second, impart duta from the second
 - Ly ce will impart a csv File numed
 - L>-made CSV
 - import 6; (squite 1 city. CSV cities
 - CREATE TABLE cities (
 "nume" Text,
 - "population I TEXT

L> view the date of the cities tubie SELECT NAME population From Cities (2) table is abjectedy available in the database and you just need to impant the data. Ly Following communds impost the city with out headen - CSV File in to the cities table. - mode csv - impart c; I squite I city - no - headen . scv cities. -> Expaint a GV File From table. Ly Turm on heiden L) set out put mode to csv Ls send the out put to a csy file L) write a table querry for Export table Ly ex & - header on - mode csv - out put Exployee - CSV - select - From cities - Prit.

P.1 How to set pythonpath & explain consepts

of Namespace, scope and packales in

python.

Set pythonarth

withe a command

set puythonputh = c: 1 python 201 lib j

-> concepts of numespace :

what is mamespace

- A numespuce is a system that has a system that has a system and every object in python An object might he a variable method.

-> types of numpespaces &

- when python interpreter sizms soles—I without any user—defined modules methods, classes pore some fripmations like point () id () use always possent these use built in namps pace, when a user ascates a module, a global gets assected later the concution.

of local functions ascates the local nampespase.

- -> The lifetime of numespace &
- A lifetime of a numespace depends upon.

 the scope of objects if the scope of am

 object ends the lifetime of that numespace

 comes to and thance it is not possible to

 access the numespace.
- -> scope i-
- Although there were very migre

 nomerces defined , we muy not be

 able to uscess all of them every path of

 the comes in to play.
- -> three nested scopes +
- 1. scope of the current Function which has local names.
- 2. scope of the module which has global
- 3. outermost scope which has built in

-> prickeges in aython :

in different folders and subfolders bused on some oriteria so that we apply find and manage them easily in the same way a package in python takes the concept of the modulant approach to mext again level As you know a module.

-> Extructing Excel File: - To extract duty from an Excel File umg pundus derlu Frame you can use the neud. Suntext v impant pands up pd dF = pd . neud - excel (Fremume e.xisx) -> counting Excel File " To write duty to am force File using puntus DutyFricime, you can use the to except function.

er & greet. Py det suy Hello (name): print ("Hello", name) Expluin extruct and write communds FOUR CSV cincl excel Files ysing Dutaforume Q.2 -> Extructing CSV File - To extru detu From asv File 451209 pantas partaframe you am use the stead - (SVC Function. Syntext - imposit pemders as pd dF = pd . necld - csv (Filename . csv). -> writing csv File - To write attu to a csv File using puntus DutulFrum you can use the to csuch Function Syntext impant puntas us pol df. to-csv ('Filename. csv?, index Fulse

grampian dutation with example head, tail, loc, floc, value and to manpy a.

10. 1

J. Head ()

- The hard () Fraction sterum the First Few structs of a Districtione. By default it sterums the First 5 stocks.

- eoc : imposit pantas apol

duta: &' Name: E' John! 'Arma' - peten' 19nda 'tom' Jenny' J , 'Age' (28, 124, 35, 32)

dF = pd. dettu Frume (dettu)

print (df. held ())

2. tail(c)

- The tail () function setums the last

Few success of a Disturbulance. By default

it setums the last 5 slows

- ext import puntus us pd

duta & ' Nume': CJohn', 'Amnu' petter, lind ton , Jestsy] 'Ag' ()8, 24, 35

df = pd. Duta frame (tata)

primt (dE, tail ()) 3. 1xC] - The IXEJ Function is used to acress a group of rous and columns by a Tebel an a boolean anna) - impart pundus us pd deta = S'Name : F' John' Amou' peter, 'Inno ton . Jerry Age: (28,24,35,32 40,38 J 3 dF : pd. Dittel Forume (alta) Print (df. 1x(df (Age') >30) } 4. 110007 - The ilxry function is use to urress a group of rows and golumns by position. - impount pundus us pol - data : & Nume'; (John ' Among' peter , "I'mda Tom, Jenny] ' Age' (28, 24, 35 32,40,38] 4 df = pd. Jutu Frame (duta) P. Timt (d.F. :10c (1.3)]

by summing up all the values and by the vaves Farmula: 4 = (Ex)/n 2. medium L) The medium is the middle vultue of a dutuset ruhen it is souted in assending on desending onder If the dutu set kis un even of vulves. Sattled detruse & 70,75,80,85,96 mediun = 80 3. mode = Is The mode is the most Enequenty accounting value in a dataset. A dutuset: A tutuset can have multiple modes if there wie multiple values that appear with the summe Enequency. -> ex & dataset of colon = ned , blue green, ried, bive mode : blue

4. Variance & Ly The vuritimize is a measure of how sprieud out the vinies in a datuset we from the mean it is caracted by talking the average of the squared mean. L) Farmusa = E COC - 4) m 21m 5. Stundend Deviction 8-Ly The stundward devicition is the squarp Jour of the variance L) Farmula o = V(om2)

Marks:

Jes what is difference between scatter

J. Scotten chant &

Ly A scatter churt also known as a scatter plot an x-y plot is used to scatter plot an x-y plot is used to visualize the relationship between two continuous variables. Each point on the churt represents a single observation with the x-axis representing the other Variable.

L) ex: Resertionship between heigh and weight.

2. lime chart :

Ly A lime chart is used to show the triend of a single variable over time on across altegraties. Each point on the chart represents a single observation and the point are connected show the triend.

L's ex :- stock prices over time.

3. Histograms :

A histogram a type of bur chart

that show the distribution of a

single contin vous variable. the

x-axis represent the variable

Lyere = Distribution of exum scores.

4. BOND CHONTES I

the values of a categorical variable across different groups. Each bust expresents a single group and the height of the bas for the variable

Ls ext sales by region

Using execute () method to intendet

J. Weste table "

Ly import sqlite 3

comm: squite 3. (onnect (dutabase.db)

cisto execute (" creche table species)

studended Interne primary key

unto Incerment, name text

Age Interes

manics Real)"1).

print ('tuble created successfully')
comm. commite()
comm. clospc)

2. Insen a necessard &

L> The Insort statement is used to udd new duty to a squite table you can use the executer method to execute um Insent queny add new duty to the tuble.

Ly oc : imposit squite 3 conn = sqlite 3. connect (dutabuse. db") CAN = COMM. CHATIONE) (21) execute ("

Insent Into species (genus, species) vulues. (Itomó, 'spiens') ")

commite? comm. closec)

3. The select statement is used to retrieve duta From a squite table you can use the execute () method to execute a select great and outel frame.

L) esco impast squite 3 impost pandas as po

comm = sqlite 3, commect (dutabus db) CYST : COMM. (YIJSONC) and execute ('select & from)

dF : Pd. Data Forume (aus. Fetchall)

comm. close co

The specific sectement is used to modify existing duti in a sqlite table.

you am use the executed method to execute an specific quary duty in table.

Ly ex impant squite3

conn = sqlite3 · connect (dutabuse · db')

CUST. execute (III apache species genous)

(on . (dosec)

5. delete :

Ly The delete statement is used to

delete data from a sqlite tuble

you am use the excepter method

delete query and delet data

the tuble

Ly ext imposit sqlite 3

(Un : Comm. (VI) SOUT ()

cus execute (11) Delete From species where species=) conn. commites conn. close ().