, what are the data types in python & Explain

Numbers

SEXINGS

ii. Libes

IV. TOPIES

V. Dictionaxy

1. Nombers - Nombers data types store numeric

198990 a value to them.

". 848:098 - 848:098 in python axe identified as

a consiguous ser of characters represented in

the Snoration work. Hotou onlong either bois

of 8: udie or goople 500res.

"Lists - Lists are the most versatile of python's

compound data types. A 1:82 Contains : tems

separated by commas and enclosed within

Souxe prockets.

IN TOPIES - It is similar to 19828 it Consists of

a number of volues separated by commas,

wilke lies.

"Dickionaxy: phytonis dictoraxies axe kind of

beh-babie type. They work like associative

18 Of horshes synd in pext and consist

key value paiss. 2. Briefiy explain history of python. -> Started implementing in the year 19808 Grow van Rossam began doing its application based work in december of 189 by out centrolin wiskind & informatica. Phyzon is a widery used general PUXPOSE high Level PXOg samming Language It was mainly developed Fox emphasis on code xeoda. Piliff and its Edupare onlong brodrowwerd to except Concept on Fewer mes of code. This programming language used for developing both desktop and web applications and it can be used for developing complete scientific & numeric applications and it can be used Fox developing Complex scientific & numeric application, it is designed with Features to Facilitate data analysis & visulization. 3. Exchiagu on the observors in bhitrous > different types of phyton operators: -> Axithemetic, Relational, Assignment, Logical, membership, identity and bitwise. 1. Asithemetic operators: These are used to Pexform mouthemotical operation like addition, Subtraction, multiplication and division.

+> octy, *> xxy /1> x/14 -> x-y, /> xx/y, xx/xx/xx/ , Relation operators, These will compare the values, IF BITHER REFURD PRICE OR LOTBE OCCORPYING condition. 1 xxx = == > x == y == x == y : Logical opexatoxs: These pexform logical AND radical ob any radical NOT obexorious. sand so and + 0x -> x0x4 SUOP > DOFE 4. BIKING OPEXALONS: ASSIGNMENT OPEXALONS ONE USED to assign volves to the voriables. operators: =,+=, -=, *=,/=, "/. =1,11=, **=, 7.=, 1=, **ハニ**ノ >>= 8. BILWIGE OPEXOFOXE: These acts on Pits and Pexton post pod Post obestops. DECRIPTION Syntarc Oberopos BILWISE AND xxy BILWISE OR BILWISE WOT NIC Bitwise XOR 277 BIEWISE SYLLSHIPE

GRECIAL OPEXALOXS: Thexe axe some special type of opexaloxs like

igentify obexorpse:

is - True if the operands one identical.

is not - TYNE if the opexands are not identical.

+ Hempex 84;6 aberorage: in and vorin one need

in this operators.

in-True if volue is found in sequence.

106:11- Touce : F nor found in the sequence.

K4. Explain the Features OF Phytons > Featoxes of phyton axe · Simple · Easy to leasn · Free & Open 800xce · Phyton :8 a Beginnex's Language. · borropie · IUFEX DREFER Object Oxiented. · දෙන අව දුරුව ද · Embeddabie · Exceptive Libraries · Databases · CUOI brodrowwind · Scalable. 5. Justify why phyton is intexactive intexbrefed roudnodes -> Phyton Prompt of intexact with the intexpression bisection to maite how brooksure. bythou is Opiect Oxieural bhitrau enbloare opiect-oxieura Style of technique of programming that ence. PSUIOLES COde wishin Objects . It is intexpressed Language because it goes through an intexpreter, which toxue ade hooms, he who she

index stood by your composer's processor.

Onlike C/C++Etc, Phyton is an index preted

Object - Oriented programming language. By

intexpreted it is meant that each time a

Program is sun the intexpreter checks through

the code Fox excors of then intexprete the

instructions into machine readable byteads.