- (18) What are the data types used in python?
- A) . Numbers :-

Numbers datatypes store numeric values. Number objects are created when you assign a value to them.

· String:

These are the sequence of characters enclosed in single or double quotes.

- · Lists: war "
- A lists contains an item which are separated by coma's, and enclosed within square brackets ().
- · Types: when he had

A buple contains a lists of items which are Separated by common, but are enclosed in pavanthesis

· Dictionary'-

They consist of key value pairs, a dictionary key can be of any type but are genorally numbers or string These are enclosed in curly braces,

- (20) Briefly explain history of python?
- D. 1980's was the year where working on python Started, soon after Van Ro som began working on its application by 1989 at cwg which in in

Neather land.

- The python programming language was succeeded with ABC programming language, which has an interfacing with Amoba DI and had the feature of exception handling.
- The name python was taken actually from TV Show Monty python's flying circus as he was a very big fan of that TV show, and he also needed a small mysterious name here he Selected python.
- . This language was finally released in the year
- · Its main objective is to provide code relibility and developer productivity.
- 30 Explain all the operations in python?

Arthimetic operators:

The operators are generally used to perform mathmatical operations

Exit Addition, Sub, Multiplication, division, modulusette xty x-y x*y xly x°10 y

* Assignment operators! propert business trapped (VI Generally used to assign a value to a particular Variable. The the state of the state of Ex : x = 5 is ordered startly or produces jos * Compavision operator: These are used to compare to values. Ex'- Equal, Not Equal, Greater than , less than etc x==y x!=y x>y xky * logical Operation } Generally used to combine Condition Statement. 700190, aug -1x3 vas not - svitsarston on octy * Bitwise Operators! These operators are used to compare binary numbers.

Ex: AND(1), OP(1), XOR(1), NOT(v), etc (10) Explain the features of python?

A following are the features

i) Easy to learn tuse: python is very easy to use

(i) Expression language!

It is more understanable and readable. (iii) Cross plat-form language!

It is a partable language it can be used in diff & multiple platforms.

(iv) Object oriented language:

python supports object oriented language,

Concepts of classes and objects Come into extendable

by adding multiple teatures.

(vi) Integrated:

It can be easily intergreted by C, C++ &
Java.

(50) Justify python is an interactive interepted language.

A) Python is interactive - You can actually sit at a python promit and interact with interpreter directly to write your programs. Python is object oriented that encapsulates programs with object.

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