Eython Ussignment - 2 G. Saven
Eython Assignment - 2 G. Javeup 321810303025
to are the other time
1. what are the data types in python? Explain
Data-types in python:
and the property of along of the filter of the filter
Jumeric: 10 single when is any proposed in
inumeric value is any representation of data
which has a numeric value.
intéper: positive or negative conore numbers (without
any fractionalt Part): Ex:-a=10
float: Any Iseal number with a floating point sepresent
ation in which a tractional component is
ation in which a tractional component is ation and which a tractional component is denoted by a decimal symbol.  Ex:- a = 10:5  Complex number:-
of one or more data items, not necessarily at the
Complex number:
TO THE TOTAL STATE OF THE STATE
component represented as $x + iy$ .
Ext. 5 2 on Interpreted, high-level, general pe
Chines is an interbretied, high ever, colongial
pobletion by the special formality of the or
Boolean ion of two built-in values True or?
False de mis il sorreppe bestierne - traigle bino

## Sequence Type

A Sequence is an ordered correction of simples different data types.

> String: A string value is a collection of one or more characters put in single or double or triple quality school of TECHNOLOGY"

or more data Hemsprot necessarily of the same type,

of one or move data items, not necessasily of the pursuant of sure type. But on some paranthesis.

Driefly explain history of python?

Python is an interpreted, high-level, general purpose programming language. created by Guido van Rossum and first released in 1991. Its language constructs and object-oriented approach aim to help

programmers coste clear, logical code for small and

python is dynamically typed and garbage-collected it supports multiple programming paradigms, including structured, object-oriented, and functional programming.

python cos conceived in the late 1980; as a successor to the etBc language. Python 20, released in 2000, introduced features like list comprehensions and a garbage collection system, with reference.

Counting Python capable of exception handling.

Python 3.0 was seleased on 3 December 2008. It was a major sevision of the language that 13 not completely backward-compatible. clary of its major features were backported to python 2.6.x and 2.7.x version series.

3. Explain all the Operators in python?

Arithmetic Operators: Arithmetic Operators one used to perform mathematical operations like addition, Substraction, multiplication and division.

Addition: - x47 -: moitibb mass offens the months to badrella - abique : Par > - > maller monimonino de maller embolication pregramming production strongies H. surprise on object on the mining. Successes to the ABC mindrade, bithou 200 actended the to the ABC mindrade, bithou 200 actended to the ABC mindrade, bithou 200 actended to the ABC mindrade to the ABC mindrade. Residential to it X X Youthol boundary in 2002 III Relational Opératores moitsolles grange o brus.

puilbrust moit assertemental opératores Compases, the values. 3 It refther seturns True or False according to the it was a major sevision of the languagitishnost is not completely backwas d-nath restance is to major features evere backpooted vous 2.6.x and != Not equal to .391102 moletov x.F.? > = greater than or equal to <= less than or equal to logical operators: "I and the operators operators perform logical AND, logical OR and Logical Morning operators."

7. Python is portable language:

python is postable language for example if we have python code for willows and if we want to run this code on other platform such as linux, unix and Mac then we do not need to change it, we can sun this code on any platform

28001 python wis bintepated warpuage in the 31 monthly see between care easily untoproded python with other Carguage wike c, at the etand of source between 101 11 state description and the state of above and

python code is executed line by line at a time like other larguage c, c+t java etc there 10 reed to compile python code this makes it easier to debuy our code.

Source Code 12 converted into an Bytecode.

large standard lebrary! to about some and

python has a large standard library provides sich set of module and functions. There are many libraries present in python for such as regular expressions, unit testing.

## 3. vobject - Oriented language:

One of the key features of python is object -oriented pregramming python Supports ocoptanpunge and concepts of classes, objects encapsulation e

4. Gui programming Support:

Graphical Users Interjaces lan be made using a module such as pyats, Pyath, without ar The in python Pyats is the most popular option for creating graphical apps with python. VIX

5. High-Level language: XVI.

python is a high-buil language. When we write programs in python, we do not need to remember the System architecture, nor do we need to manage h easy to code:

of the memory.

Sold Extensible feature:

pythonique a Esctensible language. We can will te our some python code into c or c++ language and tott group and and sompile that code in c/c++ longlage.

STRUCE Pt iz open source, this means that source code 12 also available to the public.

ono

7. Python is portable language:

python is postable larguage for example if we have python code for willows and if we want to run this code on other platform such as linux, unix and Mac then we do not need to change it we can sun this code on any platform

the language with a content of the except of python job they have language with a content of the content of the

the code for every and the interpreted larguage.

python Code is executed line by line at a time. like other larguage c, c+t java etc there be no need to compile python code this makes it add asier to debut our code.

Source Code 12 converted intomanil Byte code.

10. large standard lebrary: to about some standard

python has a large standard library provides sich set of module and functions. There are many libraries present in python for such as regular expressions, unit testing.

11. Dynamically typed language: the type for an variable le decided to not in oduance because of this realise need to specify the type of voolable meed to specify is seen ton ob so not son why python 12 Interactive interpreted land python is interacted interpreted language beau "Unlike" of retity exemply than is an interpreted of oriented language. By interpreted it is meant that a time a program is our the interpreter checks thou the code for errors and then interprets the install into machine seadable bytercode bod nativo fine like other language c, c+t jama etc there ti come can easily integrated python with other language (Pke C, C++ etc. those is no need to compile plan scode, this makes it easies to debug our code. The Source code of python is convented into an itmmediate form alled byte code. set of module and functions. There are nowly librar passent in hitten ton say as retain addiession unit testing.