Assignment 2

I What are the data types in python Explain the data
types defined in the python are:
1. Numbers
2 String
3. Kist
4 Pape
S. Dictionary Numbers: Number store numeric value.
Python supports a types of numeric data.
Python supports a topoxy like 10.2.29 atox
l'int (signed integers like 10,2,29 etc)
a long (long integers used for a fugher range of values
like 908090800 L etc)
3 floot (st is used to store flooting point numbers
fike 1.9,9.9003 etc)
4. Complex (complex numbers like shu i)
String:-The string can be defined as the sequence
of characters represented in the quotation marks.
no python we use signal, double or triple quotes to
define a string.
Ext hello worlded with a country and anything
10-11 10-1 ave comby to anyone in c. However, the
101 100 1 1000 P SPRONDER TIME THE ITEMS SILVED
in the list are separated with a commo and enclosed
with in the square brackers Ls we can use slice [:] operator to access the data of
we can use suce 1-1 uper action
the list in "author" all the list in the l
Eg: 1= [1,"hi", "python", 2]
print [1[3:]);

at centrumwiskunde and informatica (CWI) which is situated in Netherland. It was that started first as a hobby project because he was looking for an interesting project to keep him occupied during christmas. The programming language which python is soid to have succeeded is ABC programming language. which had the interfacing with the Amoeba operating System and had the feature of exception handling. He had already helped to create ABC earlier in his career and he had seen some issues with ABC but liked most of the features. After that what he did as really very clever. He had taken the syntax of ABC, and some of its good features. The inspiration for the name came from BBc's Tv show - "monty" python's flying circus as he was a big fan of the TV shows and also fre wanted a short, unique and slightly mysterious name for his invention and hence he name it python! The language was finally released in 1991. when it was released, it used a lot fewer codes to express the concepts when we compare it with java, condatt, Its design philosphy was quite good too. Its main objective is to provide code read ability. and advanced developer productivity when it was released it had move than enough capability to provide classes with inhemitance several coverdata types exception handling and functions.

3. Explain the operations in python!

white and a select principle

i prithmetic operators:
These are used to perform withmetic operations
between the operands. It includes addition (+)
subtraction (-), multiplication (x), divide (+), remainde
(%), floor division (11) and exponent (**)
in compaysion operator :-
There are used to compare the value of the
thos operands and meturins boolean true on false
accordingly then a ball the in our
The comparison operatory are:
できたしまりでき、ランニングは、からいこうのはかる っせ は
in Assignment operators:
These are used to assign the value of the right
exepression to the left operand.
tri of Assignment operations:
1 = , +=, -= ; *= , 1 = 1
iv, Bitwise- operators = and and anitoria sid so
The Bitwise operators perform bit by bit operation
on the values of two operands
Binary and (2) Binary (xor) (1) Left shift (11)
Binary or (1) Negation (N) Right shift (>>)
W. Logical operators:
These are used to primarily in the expression
evalution to make a decision python supports and
or, not togical operators.
vi. Membership operators:
These are used to check the membership of value
inside a python, If the value is present in data
structure, then the nesulting value is tome otherwise
Silverior of the control of the cont

The implies that other languages such as clet can be used to compile the code and thus it con used funther in own python code. 9) Lorge standard library: Python has large and bread library and provide rich set of module and functions for rapid aption development. 9) Giv programming support. Graphical user interfaces can be developed using python. 10) Integrated. 11. Can be easily integrated with languages like
can be used to compile the code and thus it con used further in own python code 9) Large standard library: Python has large and bread library and provide rich set of module and functions for rapid applicant development. 9) Gru programming support. Graphical user interfaces can be developed using python.
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9) Giv programming support Graphical user interfaces can be developed usin python: 10) Integrated
Graphical user interfaces can be developed using python.
python: 223 bas avos
again) Integrated a property of the second
e, e++, java etc gougeol + inserex
sidehasi ban sidehadisashar sman zi tadi zanan #
5) Justify why python is interactive interpreted
suite Hanguige? sail son sat estades respected
Rython is an interacted interpreted language be
unlike c/c++ etc, python is an intempreted object
oriented programming language by intempreted
it is meant that each time a program is run
intempreter checks through the code By errors or
then interpreter the instructions into machine
readable byte code.
We can easily integrated python with other
languages like c, c++ etc. There is no need to
compile python code this makes it easier to debug
our code. The source code of python is convented
into an immediate form called byte coade
min an montestart result thates ogt water