

Assignment - 2

1. What are the data types in python?

A. 1. numbers :- number data types store numeric values. Number objects are created when you assign a value to them

2. strings :- strings in python are identified as a continuous set of characters represented in the quotation marks. python allows either single or double quotes

3. lists :- lists are most versatile of python. compound data types. A list contains items separated by commas and enclosed within square brackets

4. Tuples :- A tuple is another sequence data type that is similar to the lists. A tuple consists of lists, however tuples are enclosed within parenthesis.

5. Dictionary :- python dictionaries are kind of hash table type. They work like associative arrays or hashes found in perl and consists of key value pairs. A dictionary key can be almost any python type, but are usually numbers or strings. values, on other hand can be any arbitrary python object. dictionaries are enclosed within curly braces

2. Briefly explain history of python

A python has become one of the most interesting programming languages of our time. It was created named after a tv show called Monty Python's Flying Circus.

3. explain all the operators in python

A operators in python are used to perform certain operation; They follows as

→ Arithmetic operators : +, -, *, /, %, **

→ relational operators : <, >, <=, >=, ==,

→ Assignment operators : +=, -=, *=, /=, //=

=) logical operators : and, or, not

=) Identity operator : is, is not

=) member operator : in, not in

=) Bitwise operator : Binary and, Binary or
Binary xor, <<, >>

4. explain features of python?

A * easy to code

* objected oriented language

* GUI programming subject

* Free and open source

* high level language

* portable language

=> Integrated language

=> large standard library

5. Justify why python is interpreted language.

A. unlike C, C++ etc, python is an interpreted language, object oriented. The compiler which is compiled programming language. The compiler translates the whole code in one rather than C language after errors are listed during compilation.