

## Python Assignment - 6

1) what are docstrings in python?

- Python docstrings are the string literals that appear right after the definition of a function, method, class, or module.
- A docstring is just a regular python triple-quoted string that is the first thing in a function body or a module or a class. When executing a function body the docstring does not do anything like comments but Python stores it as part of the function documentation.

2) what is the purpose of is not and in operators?

in and not in are the membership operators in Python. They are used to test whether a value or variable is found in a sequence (string, list, tuple, set, and dictionary).

3) what is the usage of the help () and dir() function in python?

- The dir() function returns all properties and methods of the specified object, without the values. This function will return all the properties and methods, even built-in properties which are the default for all objects.
- **help()** function: The help() function is used to display the documentation string and also facilitates you to see the help related to modules, keywords, attributes, etc.

4) whenever python exits why isn't all the memory deallocated?

- Python modules which are having circular references to other objects or the objects that are referenced from the global namespaces are not always de-allocated or freed.
- It is impossible to de-allocate those portions of memory that are reserved by the C library.
- On exit, because of having its own efficient clean-up mechanism, Python would try to de-allocate/destroy every other object

5) What is a dictionary in Python?

A dictionary is an **unordered** and **mutable** Python **container** that stores mappings of unique **keys to values**. Dictionaries are written with curly brackets

## Python Assignment - 6

({}), including **key-value** pairs separated by commas (.). A colon (:) separates each **key** from its **value**.

6) how can be files be deleted in python?

In Python, you can use **the os. remove() method** to remove files, and the os. rmdir() method to delete an empty folder. If you want to delete a folder with all of its files, you can use the shutil.

.