

# Assignment

1) What is python language?

Python is an interpreted, high-level, general-purpose programming language.

2) What are the key features of python?

- \* Understandable and easy
- \* Available for anyone
- \* Programmer-friendly language
- \* Object oriented
- \* Portable
- \* Interpreted language
- \* Cross-platform language
- \* Easy to learn
- \* Expressive language

3) How is python an interpreted language?

Python is called an interpreted language because it goes through an interpreter, which turns code you write into the language understood by your computer's processor.

4) How is memory managed in python?

Memory management in python involves a private heap containing all Python objects and data structures. The management of this private heap is ensured internally by the python memory manager. The python memory manager has different components which deal with various dynamic storage management aspects.



5) What is pythonpath?

PYTHONPATH is an environment variable which you can set to add additional directories where python will look for modules and packages.

6) What are the generators in Python?

Generators are used to create iterators, but with a different approach. They are simple functions which return an iterable set of items, one at a time, in a special way.

7) Does Python have OOPS concepts?

Yes, python have OOPS concepts.

8) Is python case sensitive?

Yes, python is case sensitive.

9) How long can an identifier be in Python?

In Python, an identifier can be of any length. The maximum possible length of an identifier is 79 characters.

10) With Python, how do you find out which directory you are currently in?

To find out which directory in python you are currently in, use the `getcwd()` method. Cwd is for current working directory in python. This returns the path of the current python directory as a string in Python.