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Assignment Questions

① what is python language?

A) Python is an interpreted, high-level, general purpose programing language

② what are the key features of Python?

A) python provides lots of features that are listed

* Easy to learn & use
* Interpreted language
* Free & open Source
* Extensible
* Expressive language
* Cross-platform language
* Object - oriented
* Large standard Library

③ How is python an interpreted language?

A) an interpreter is a kind of program that executes other programs. It Converts source Code written by the developer into intermediate language which is again translated into the native language/machine language that is executed

④ How is memory managed in python?

A) Memory management in python involves a private heap Containing all python objects & data structures. The management of this private heap is ensured internally by the python memory manager.

⑤ what is python path?

A) It is an environment variable which you can set to add additional directories where python will look for modules & packages. You shouldn't set these variables since they are not needed for python to run. Python knows where to find its standard library

6) what are the generators of the Python?

A) There are two terms involved when we discuss generators.

i) Generator Function :- It is defined like a normal function, but whenever it needs to generate a value it does so with the "yield keyword" rather than return. If a body of a def contains yield, the function automatically becomes a generator function.

ii) Generator - Object :- These are used either by calling the next method on the generator object or using the generator object in a "for in" loop.

7) Does Python have OOPS concept

A) yes, plython has been an object - oriented language since it existed. Because of this Creating & using classes & objects are downright easy. This helps to become an expert in Python's object oriented programming

8) Is python case sensitive?

A) yes it is a case sensitive language. that means, Variables & variable are not the same. Always give the identifiers a name that makes a sense.

9) How long can an identifier be in Python?

A) Identifiers are unlimited in length.

9) How long can an identifier be in Python.

A) Identifiers & keywords from the Python language Reference: identifiers are unlimited in length. But you will be violating PEP-8 most likely, which is not really cool. limit all lines to a maximum of "79" characters.

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

A) To find the directory in Python you are currently use the following method.

* getcwd() method.

Here cwd is for current working directory in Python. This returns the path of the current Python directory as a string in Python.