

Assignment -1.

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- ① Python is highlevel, interpreted, general purpose Programming language. It was created in 1991.
It's design philosophy emphasizes code readability with its notable use of significant whitespace.
- ② → Easy to learn and use.
 - Expressive language
 - Interpreted language
 - Cross-platform language.
 - free and open space
 - Extensible.
- ③ Python is called an interpreted language because it goes through an interpreter, which turns code you write into the language understood by computer processor.
- ④ Memory management in python involves a private heap containing all python objects and data structures. The management of this private heap is ensured internally.
- ⑤ Python path is an environment variable which you can set to add additional directories where python looks for modules and packages. Python knows where to

find its standard library. For most installations, you should not set these variables since they are not needed for python to run.

- ⑥ Generators are used to create literals but with a different approach. Generators are simple functions which return an iterable object or items, one at a time in a special way.
- ⑦ Yes python has an OOPS concept along its features like inheritance, polymorphism, abstraction, Encapsulation.
- ⑧ It is a Case Sensitive language.
- ⑨ 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 We use the "getcwd()" method, cwd is for Current working directory in python.