Python Assignment - 1

1. What is Python language?

A. Python is a widely used general-purpose, high level Programming lau language.

→ It was designed with an emphasis on code readability. and its syntax allows Programmers to express their concepts in fewer lines of code.

→ It was created by Gudio van Rossum in 1991 and further developed by the Python Software Foundation.

2. What are the key features of Python?

A.
- Simple
- Easy to learn
- Free and Open Source
- High level language
- Portable
- Object oriented
- Extensible
- Scalable
- Interpreted

3. How is Python an interpreted language?

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

4. How is memory managed in Python?

A. 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.

5. What is Python Path?

A. PYTHONPATH is an environment variable which you can set to add additional directories where Python will look for modules and Packages. For most installations, you should not set these variables since they are not needed for Python to run.

6. What are the generators in Python?

A. Generators are Simple functions which return an iterable set of items, one at a time, in a special way. When an iteration over a set of item starts using the for statement, the generator is run.

7. Does Python have oops concepts?

A. Python Oops Concepts: Python is an Object-Oriented Programing language... along with the oops features Such as inheritance, Polymorphism, abstraction, encapsulation.

8. Is Python Case Sensitive?

A. Python is a Case sensitive language. This means, variable and variable are not the Same. Always give the identifiers a name that makes sense.

9. How long can an identifier be in Python?

A. Identifiers are unlimited in length. But you'll 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. Use the getcwd() method. Cwd is for current working directory in Python.