PYTHON ASSIGNMENT DAY 1

-HARSHITHA PRIYA S

**1.What is python language?**

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

**2.What are key features of python?**

Ans: 1. Simple

2.Easy to learn

3.Portable

4.Free and open source

5.Interpreted

6.Scalable

7.Extensible

8.Object Oriented

9.High level language

**3.How is python an interpreted language?**

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

**4.How is memory managed in python?**

Ans: 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?**

Ans: Python Path is an environment variable which can be set to add additional directories where python will look for modules and packages.

**6.What are the generators in python?**

Ans: Generators in python 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. When an iteration over a set of item starts using the for statement, the generator is run.

**7.Does python has oops concept?**

Ans: Yes, python has oops concept.

**8.Is python case sensitive?**

Ans: Yes, python is case sensitive.

**9.How long can an identifier be in python?**

Ans: An identifier in python can be 79 characters.

**10.With python how can you find out which directory you are currently in?**

Ans: To find out which directory in python is currently in, getcwd() method is used.

Cwd is for current python directory as a string in python.