Python Assignment

***1. Who developed Python Programming Language?***

Ans: Guido van Rossum

***2. Which type of Programming does Python support?***

Ans: 1. functional

2. imperative

3. Object oriented

4. procedural

***3. Is Python case sensitive when dealing with identifiers?***

Ans: Yes

***4. What is the correct extension of the Python file?***

Ans: (.py)

***5. Is Python code compiled or interpreted?***

Ans: Interpreted

***6. Name a few blocks of code used to define in Python language?***

Ans: 1. Module

2. Function Body

3. Class definition

***7. State a character used to give single-line comments in Python?***

Ans: #

***8. Mention functions which can help us to find the version of python that we are currently working on?***

Ans: sys.version

***9. Python supports the creation of anonymous functions at runtime, using a construct called***

Ans: lambda

***10. What does pip stand for python?***

Ans: preferred installer program

***11. Mention a few built-in functions in python?***

Ans: print( ) function

type( ) function

input( ) function

abs( ) function

pow( ) function

dir( ) function

sorted( ) function

max( ) function

***12. What is the maximum possible length of an identifier in Python?***

Ans: 79 characters

***13. What are the benefits of using Python?***

Ans: 1. Access to Third-Party Modules

2. Presence of Libraries

3. Open Source and free

4. Huge Community support

5. Easy to Learn

6. User friendly data-structures

7. Easy to prototype

***14. 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. The Python memory manager has different components which deal with various dynamic storage management aspects, like sharing, segmentation, preallocation or caching.

***15. How to install Python on Windows and set path variables?***

Ans: 1. Install the latest version of python

2. locate where the python is being installed, copy the full path

3. Search for “Environmental Variables” click on that

4. Now click the “Environmental Variables” button

5. Click on the New button in the User section. Now, add a Variable Name and Path which we copied previously and click OK.

6. Done

***16. Is indentation required in python?***

Ans. Yes