Assignment Solution:

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Q.

1. ans –

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2.ans =

Object – oriented, structured, and functional programming.

3.ans =

Yes, python is case sensitive.

4.ans =

.py

5.ans =

Python is an interpreted language.

6.ans =

A module, a function and a class definition.

7.ans =

#

8.ans =

9.ans =

Lambda

10.ans =

Pip stands for Preferred Installer Program.

11.ans =

len() , index() , isupper() , insert()

, reverse(), remove(), extend(), upend().

12.ans =

An identifier can have maximum length of 79.

13.ans =

Benefits of using python :

* Python is extensible – Python is highly extensible i.e. we can extend Python to other languages and write C#, C, C++ , Java and other programming languages within our Python codebase to add functionality or blend it with other software.
* Python Libraries- One of the major benefits of choosing Python as our programming is the large amount of libraries we can incorporate into our code. Libraries help reduce coding errors, make programmers more efficient, and make software smaller in size (and lines of code). Instead of writing long lines of code to accomplish a common task, coders can simply call upon a library – often with a single line of code – to perform that task instead.
* Python is easy to learn : Python is incredibly easy to learn, regardless of age or experience level. It is a great entry into programming software as a whole. Since the language is so simple to read and write in, it also makes a great second or third language to add to our developer resume.

14.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.

15.ans =

In the section entitled User Variables, double-click on the entry that says Path. Another window will pop up showing a list of paths. Click the New button and paste the path to your Python executable there. Once that's inserted, select your newly added path and click the Move Up button until it's at the top.

16.ans =

Yes, indentations are required in python.