**Python Assignment**

Q1. Who developed Python Programming Language?

Ans: Guido van Rossum was developed Python Programming Language.

Q2. Which type of Programming does Python support?

Ans: Python is an interpreted programming language, and it supports object- oriented, structured, and functional programming.

Q3. Is Python case sensitive when dealing with identifiers?

Ans: Yes

Q4. What is the correct extension of the Python file?

Ans: (.py)

Q5. Is Python code compiled or interpreted?

Ans: Interpreted

Q6. Name a few blocks of code used to define in python language?

Ans: Indentation

Q7. State a character used to give single – line comments in python?

Ans: #(Hash)

Q8. Mention functions which can help us to find the version of python that we are currently working on?

Ans: By using Python \_version () function we find the version of python on which we are currently working on.

Q9. Python supports the creation of anonymous functions at runtime, using a construct called \_\_\_\_\_\_\_\_\_\_\_?

Ans: Lambda

Q10. What does pip stand for python?

Ans: Package Installer for Python

Q11. Mention a few built-in functions in python?

Ans: Following are built-in functions in python are mention below:-

* int(): Converts a number in integer value.
* input(): Take input from user as a string.
* bool() : Return or convert a value to a Boolean value i.e., True or False.
* dict() : Creates a python dictionary.
* float() : Return a floating-point number from a number or a string.

Q12. What is the maximum possible length of an identifier in python?

Ans: The maximum possible length of an identifier in python is 79 Characters.

Q13. What are the benefits of using python?

Ans: Following are the benefits of using python:-

* Easy to learn because of easy syntax.
* It is one of the best applications in the market for integration purposes because of powerful control capabilities.
* It Work with less code
* It is open-source Programming language and available to use for free of cost
* It gives a complete room to increase productivity because of integrity and convenience.
* It is considered as a high-level programming language because of its functionalities.
* The coding Format is designed efficiently, which allows programmers to read and edit easily.
* It is one of the best languages used to develop various applications because of advanced features.
* It is more reliable compared to other programming language due to the absence of pointers.
* It has vibrant community.

Q14. How is memory managed in python?

Ans: They allocated the memory at run time and in case when same variable name is found then it overwrite the latest data from the oldest data. and for int its take 2byts for char 1 byte for float 4 bytes.

Q15. How to install python on windows and set path variables?

Ans: we simply install by the setup and give them the environment path variable.

Q16. Is Indentation required in python?

Ans: No

and