

Assignment – 1

Ques -1:- Who developed python programming language?

Ans:- Python was developed by Guido van Rossum.

Ques -2:- Which type of programming does python support?

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

Ques -3:- Is python case sensitive when dealing with identifiers ?

Ans:- Yes , python is a case sensitive language it consider upper case and lower case letters differently ,same thing applied with identifiers , we must avoid using same name with same name with different cases while using identifiers.

Ques -4:- What is the correct extension for python file?

Ans:- The correct extension for python file is .py

Ques -5:- Is python code compiled or interpreted?

Ans:- Python is both compiled and interpreted means when we run the code it first compiled and then interpreted line by line.

Ques -6:- Name a few blocks of code used to define in python language?

Ans:- Indentation is used to define block of code in python.

Ques-7:- State a character used to declare single line comment in python?

Ans:- # character is used for declaring or writing single line comment in python.

Ques-8:- Mention function which will help us to find version of python on which currently we are working ?

Ans :- The function sys.version used to find the version.

Ques-9:- Python supports the creation of anonymous functions at runtime, using a construct called _____ ?

Ans:- Lambda.

Ques-10:- What does pip stands for in python ?

Ans:- pip stands for “Preferred Installer Program” . It is used to install, uninstall or reinstall modules in python.

Ques -11:- Mention few built-in functions in python?

Ans:- input() , Int(),Str(),print(),count(),format().

Ques-12:- What is the maximum possible length of identifiers in python?

Ans:- 79 characters.

Ques -13:- What are the benefits of using python ?

- Simple to use and understand for new comers.
- Free and open source
- Productivity increased
- Extensive library
- Dynamically typed
- Portability

Ques-14:- How is memory managed in python ?

Ans:- Python uses the dynamic memory allocation which is managed by the Heap data structure. Memory Heap holds the objects and other data structures that will be used in the program. Python memory manager manages the allocation or de-allocation of the heap memory space through the API functions.

Ques-15:- How to install python in windows and set path variables ?

1. Right click on My Computer and click on properties.
2. Click on Advanced System settings.
3. Click on Environment Variable tab.
4. Click on new tab of user variables.
5. Write path in variable name.
6. Copy the path of Python folder.
7. Paste path of Python in variable value. Click on Ok button: Click on Ok button.

Ques-16:- Is indentation required in python?

Ans:- The indentation in Python is very important. Python uses indentation to indicate a block of code.