

1. Who developed python programming language

Guido Van Rossum

2. Which type of programming does python support?

Python is an interpreted programming language that supports object oriented, structured and functional programming

3. Is python case sensitive when dealing with identifiers?

Yes, python is case sensitive. it identifies uppercase and lowercase letters separately.

4. What is the correct extension of the python file?

.py

5. Is python code compiled or interpreted?

Python is an interpreted language.

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

Modules, a function body and a class definition.

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

By using # in python, we can give single line comments

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

python_version

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

Lambda

10. What does pip stand for in python?

Preferred installer program

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

bin(), bool(), int(), id(), len(), max(), print()

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

79 characters

13. What are the benefits of using python?

- Python is an open source programming language
- Easy to use and understand
- Extensive libraries
- Write less, do more
- Portability-run across multiple OS

14. How is memory managed in python?

Memory in python is managed by python private heap space. All python objects and data structures are located in a private heap. Private heap is taken care of by python interpreter itself and programmer does not have access to private heap. Python memory manager takes care of the allocation of python heap space.

15. How to install python on windows and set path variables

Installation of python involves three steps

1. Downloading the binaries
2. Run the Executable installer
3. Add python to Path environmental variables

Download the binaries

- Go to download tab on the official python website
- Choose latest version of python
- Click on the link to download **windowsx86 executable** installer

Run the Executable installer

- Once it is downloaded, run the installer
- Check the installer launcher for all users and add python to path
- Select customizable installation check optional features
- Click next (advanced option) (install for all users and add python to environmental variables-click to install)

Add python to path environmental variables(Manually)

This step is done to access python through command line.search for advanced system settings in the start menu.

- 1.select view advanced system settings
- 2.in the system properties window—click on advanced tab and select—click on Environmental variables
- 3.Locate python installation variable on the system

16.Is indentation required in python?

yes