

Q1. Who develops the python programming language?

Ans. Guido Van Rossum.

Q2. Which type of programming does python support?

Ans. Python supports structured programming as well as object-oriented programming.

Q3. Is python case sensitive when dealing with identifiers?

Ans. Yes python is case sensitive when dealing with identifiers.

Q4. What is the extension of the python file?

Ans. The extension of the python file is .py

Q5. Is python code compiled or interpreted?

Ans. The code of python is interpreted.

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

Ans. A module, a function body and a class definition.

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

Ans. # is used.

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

Ans. !python -V

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

Ans. lambda

Q10. What does pip stand for?

Ans. Preferred installer program

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

Ans. Extends(), append(), print(), input(), len(), type() etc.

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

Ans. 79 character

Q13. What are the benefits of using python?

Ans. Python programming is powering the global job market because the benefits of Python are immense. Python is one of the top three programming languages in the world, and is poised to become the most popular, according to ZDNet. In fact, according to the PYPL Index, Python is the most popular programming language world-wide,

Q14. 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

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

Ans. First of all download the python installer from [www.python.org](http://www.python.org) , then after installing the setup file we need to set the path variable for which the steps are given below:

1. Right-clicking *This PC* and going to *Properties*.
2. Clicking on the *Advanced system settings* in the menu on the left.
3. Clicking on the *Environment Variables* button on the bottom right.
4. In the *System variables* section, selecting the *Path* variable and clicking on *Edit*. The next screen will show all the directories that are currently a part of the PATH variable.
5. Clicking on *New* and entering Python's install directory.

Q16 is indentation required in python?

Ans. Yes it is compulsory.