

- 1) Guido van Rossum
  - 2) Python supports object-oriented, structured, and functional programming.
  - 3) Yes, it is case sensitive.
  - 4) .py
  - 5) Python is an interpreted language.
  - 6) Python uses indentation to define blocks of code. Indentations are simply spaces or tabs used as an indicator that is part of the indent code child.
  - 7) #
  - 8) Import sys  
    sys.version
  - 9) Lambda
  - 10) preferred installer program
  - 11) len(), type(), str(), print(), max(), iter().
  - 12) 79 characters
  - 13) Python is a powerful, flexible, and easy-to-use language. Presence of third-party modules, user-friendly data structures, portability and interactive, etc. makes it even more powerful.
  - 14) 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) Install python from this link <https://www.python.org/downloads/>  
After this, install it on your PC. Look for the location where PYTHON has been installed on your PC using the following command on your command prompt: cmd python.  
Then go to advanced system settings, add a new variable, name it as PYTHON\_NAME and paste the copied path. Then look for the path variable, select its value, and select edit. Add a semicolon towards the end of the value if it's not present, and then type %PYTHON\_HOME%.
- 16) Yes, indentation is required in python.