

- 1) **Guido van Rossum** developed the python programming language.
- 2) Python supports **Object-oriented,structured and functional programming**. Hence, it is multi-paradigm programming.
- 3) **Yes**, Python is case sensitive when dealing with identifiers.
- 4) **.py** is the correct extension of the Python file.
- 5) Python is an **interpreted** language where it converts the source code into bytecode.
- 6) **Function,Module,Class** are used to define the block of codes in Python
- 7) **#** is used to give single line comments in Python.
- 8) We can use the **sys.version method, python_version() function,python -V command** to find the version of python that we are currently working on.
- 9) Python supports the creation of anonymous functions at runtime using a construct called **lambda**.
- 10) Pip stands for **preferred installer program** in Python.
- 11) **print(),bool(),bin(),float(),int(),str(),id(),dir(),list(),len()** are the few in-built functions in Python.
- 12) An Identifier can have a maximum possible length of **79 characters** in Python.
- 13) Benefits of using Python:
 - **Open-source**
 - **Extensive libraries**
 - **Dynamically typed**
 - **Easy to learn with simple syntax**
 - **Portable across OS**
- 14) Memory management in Python is done by **private heap** containing all objects and data structures which is internally managed by Python memory manager.
- 15) We need to install the appropriate python version according to your os in your preferred location.By editing advanced system settings, we can add a new path variable and set path variable as **%PYTHON_HOME%** and save the changes made.
- 16) **Yes**, Indentation is required in Python.