1. **Who developed Python Programming Language?**
   It was created by Guido van Rossum and first released in the year 1991
2. **Which type of Programming does Python support?**
   Python is a multi-paradigm programming language. Object-oriented programming and structured programming are fully supported, and many of their features support functional programming and aspect-oriented programming (including metaprogramming and metaobjects). Below can be done by Python:
   System Programming
   a. Graphical User Interface
   b. Web Scrapping
   c. Managing Database
   d. Fast Prototyping
   e. Numeric / Scientific Programming
   f. Game development
   g. Image Processing
   h. Robotics
   i. Automation
   j. Data science
   k. Data Mining
3. **Is Python cate sensitive when dealing with identifiers?**
   Yes, Python is a case-sensitive language.
4. **What is the correct extension of the Python file?**
   The Files with the **. py** extension contain the Python source code.
5. **Is Python code complied or interpreted?**
   interpreted
6. **Name a few blocks of code used to define in Python language?**
   Indentation is used to define a block of code in python.
7. **State a character used to give single-line comments in Python?**
   We can write a single-line comment by adding a single **#** character before any statement or line of code.
8. **Mention functions which can help us to find the version of python that we are currently working on?**
   To get the Version of the python Interpreter, they are listed as follows:
   a. Using **sys.version** method
      import sys
      sys.version
   b. Using **python_version()** function
      from platform import python_version
      print("Current Python Version-", python_version())
   c. Using **Python -V** command in command prompt or powershell
9. **Python supports the creation of anonymous functions at runtime, using @ construct called lambda.**
10. **What does pip stand for python?**
    Preferred Installer Program
11. **Mention a few built-in functions in python?**
    print( ) function.
    type( ) function.
    input( ) function.

abs( ) function.

pow( ) function.

dir( ) function.

sorted( ) function.

max( ) function.

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

79 characters

13. **What are the benefits of using Python?**

Simple to Use and Understand

Free and Open-Source

Productivity has Increased

Interpreted Language

Extensive library

Dynamically Typed

Portability

Supportive community

14. **How is memory managed in Python**

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. **How to install Python on Windows and set path variables?**

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 and add new variable and 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. **Is indentation required in python?**

Indentation is mandatory in python to define the blocks of statements.