Name :Prem Shejole

1. **Who** developed **Python** Programming Language?

Guido van Rossum in 1991

2. **Which type of** Programming **does** Python support**?**

Object oriented programming

3. Is **Python** case sensitive when dealing with identifiers?

Yes

4. **What** is the correct extension of the Python file?

.ipynb or .py

5. Is Python **code compiled** or interpreted**?**

Interpreted

6. Name a few blocks of code used to define **in Python** language**?**

Indentation is used

7. State a **character** used to give single-line comments in **Python?**

#

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

- Using sys.version method
- Using python_version() function
- Using Python -V command

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

Lambda function

10. **What** does **pip** stand **for python**?

Preferred installer program

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

len(),count(),.upper(),.lower(),.isalnum(),sum()

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

79 characters

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

Machine learning, deep learning, Computer Vision,Natural Language Processing,Flutter,Flask etc.

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?
    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.

16. Is indentation **required in python?**

yes