

# **29<sup>th</sup> January, 2023 Assignment**

## **Answers**

**Answer1:** Guido van Rossum

**Answer 2:** Python is a high-level interpreted programming language, python supports both object-oriented and procedural programming

**Answer 3:** Yes, python is case sensitive when dealing with identifiers

**Answer 4:** .py is correct extension of python file

**Answer 5:** Python code is interpreted

**Answer 6:** Indentation is used to define a block of code in python.

**Answer 7:** # is the character to give a single line comment in python

**Answer 8:** Using sys.version method

Using python\_version() function

**Answer 9:** Lambda

**Answer 10:** PIP is python package manager which helps to install python packages.

**Answer 11:** Python built in function:

input()

print()

int() etc.

**Answer 12:** The maximum possible length of an identifier in Python language is 79 characters

**Answer 13:** Benefits of using python are:

- Versatile, easy to read, learn and write
- User-friendly data structures
- High-level language
- Dynamically typed language

**Answer 14:** Python uses the dynamic memory allocation which is managed by the Heap data structure

**Answer 15:** Steps to install and set PATH variables:

- Download the python exe file latest version 3.11.1 from python.org
- Install the downloaded file
- Select the option “Add Python 3.11.1 to PATH”

- Open Command prompt
- Enter python and hit enter
- You will see the python version as an result

**Answer 16:** Yes, indentation is must in python.