29th Jan Assignment answers

1.Who developed the python programming language?
Ans: Guido Van Rossum

2. Which type of programming does python support?
Ans: Python supports multiple programming paradigms
including:
Object-Oriented Programming (OOP)
Functional Programming
Procedural Programming
Imperative Programming
Scripting Programming

3. Is python case sensitive when dealing with identifiers?
Ans: Yes, python case sensitive when dealing with identifiers

4. What is the correct Extension of the python file?
Ans: The correct Extension of the python file is '.py'

5. Is python code compiled or interpreted?
Ans: Python code is interpreted

6. Name a few blocks of code used to define in python
programming language.
Ans: Functions (def)
Classes (class)
Loops (for, while)
Conditional statements (if, elif, else)
Try-except block (try, except)

7. State a character used to give single line comments in
python.
Ans: In Python, a single line comment is denoted by the #
symbol.

8. Mention functions which can help us to find the version of python that we are currently working on.
Ans: 1. Sys.version
2. Sys.version_info

9. Python supports the creation of anonymous function at runtime, using a construct called
Ans: Lambda

10. How does pip stand for python?
Ans: pip stands for pip install packages

11. Mention a few built-in functions in python.
Ans: print(),len(),sum(),max(),min()]

12. What is the maximum possible length of an identifier in python?
Ans: As a general rule, an identifier in Python can be as long as your system allows for the storage of a string

13. What are the benefits of using python?
Ans: Easy to learn, Versatile, open source, dynamic and interpreted language

14. How is memory managed in python?
Ans: Memory in Python is managed automatically using a memory management system known as a garbage collector.

15. How to install python on windows and set path variables?
Ans: To install Python on Windows and set the path variables, follow these steps:
Download the latest version of Python from the official Python website (https://www.python.org/downloads/)

Run the Python installer by double-clicking the downloaded file.

Follow the on-screen instructions to install Python. By default, Python will be installed in the "C:\PythonXX", where "XX" represents the version number of Python being installed.

Next, you'll need to set the path variable. To do this, follow these steps:

a. Open the Start menu and search for "Environment Variables".

b. Click on "Edit the system environment variables".

c. Click on the "Environment Variables" button.

d. Under "System Variables", scroll down and find the "Path" variable, then click "Edit".

e. Click "New" and add the path to your Python installation (e.g., "C:\PythonXX").

f. Click "OK" to close all windows.

Open the Command Prompt and type "python" to verify that Python has been installed and the path variable is set correctly. If the installation was successful, you should see the Python prompt, indicating that you can start using Python.

16. Is indentation required in python?

Ans: Yes, indentation is required in python