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Solutions –

1. Python developed by Guido van Rossum and first released on February 20, 1991.
2. Python is an interpreted programming language, which supports object-oriented, structured, and functional programming.
3. Yes, python is case sensitive.
4. .py is the extension of python file.
5. Both compiled as well as interpreted.
6. Indentation is used.
7. # is used for single line comment.
8. sys.version
9. lambda
10. pip refers to the Preferred Installer Program.
11. print(), isupper(), lower(), upper()
12. 79 characters is the max limit for an identifier.
13. Easy to learn, free and open source, widely acceptable and has dynamic library.
14. In Python, memory is managed by the Python manager which determines where to put the application data in the memory.
15. Download the latest version of python and install that and for setting up path variable use the following -

Right-clicking This PC and going to Properties.

Clicking on the Advanced system settings in the menu on the left.

Clicking on the Environment Variables button o​n the bottom right.

In the System variables section, selecting the Path variable and clicking on Edit. The next screen will show all the directories that are currently a part of the PATH variable.

Clicking on New and entering Python’s install directory, then save.

1. Yes, indentation is required.