Answer Sheet of Python Assignment (29-Jan-2023)

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Answers:

1. Guido van Rossum
2. Object Oriented Programming
3. Yes
4. Python extension → .py
5. Interpreted
6. Indentation
7. # (Hash Character)
8. (a) Import sys
       print(sys.version)
   (b) from platform import python_version
       print(python_version())
   (c) python -v
9. lambda
10. Preferred installer program
11. (a) abs() → Returns the absolute value of a number
    (b) bin() → Returns the binary version of a number
    (c) oct() → Returns the octal version of a number
    (d) hex() → Returns the hexa version of a number
    (e) bool() → Returns the bool version of a number
    (f) chr() → Returns a character from the specified Unicode code
    (g) int() → A type casting method to type cast into int
    (h) float() → A type casting method to type cast into float
    (i) str() → A type casting method to type cast into str
    (j) bool() → A type casting method to type cast into bool
    (k) list() → Returns a list
    (l) set() → Return a set
    (m) eval() → Evaluates and executes an expression   etc.

12. Maximum possible length of identifier in python = 79 characters

13. Benefits of using Python:

    (1) It is object-oriented programming.

    (2) It is portable and interactive.

    (3) It is easy to use.

    (4) It is interpreted Language.

(5) It is most popular in field of Data Science.

14. Python has Private Heap that contains all objects & Data structures.

15. **Install Python on Window**: (1) open python website (2) download the windows installer (3) double click on downloaded file (4) ensure that python is added to your path (5) click on install now to begin (6) after installation complete click on Disable path length limit (7) click on close button to end.

Path setting after Installation: (1) Right click on computer and click properties (2) click on Advanced System settings (3) click on Environment Variable tab (4) click on user variables (5) copy the path of Python folder (6) paste path of python (7) click ok button.

16. Yes (Indentation required)

*************************End*********************************