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|  | **1)Who developed python programming language?**  ans) Guido Van Rossum  **2)Which type of programming supported by python?**  ans)OOPs and High-level  **3)Is python case-sensitive while typing identifiers?**  ans)Yes  **4)What is the current extension of python?**  ans).py  **5)Is Python code compiled or interpreted?**  ans) Python language is an interpreted language. |
|  | **6) Name of few blocks of code used to define in Python language?** |
|  | ans) A Python program is constructed from code blocks. A block  is a piece of Python program text that is executed as a unit.The following are blocks: a module, a function body, and a class definition. |
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|  | **7) State a character used to give single-line comments in Python?** |
|  | ans) the character is Use #, # This is Comments line. |
|  | **8) Mention functions with can help us to find the version of Python that we are currently working on?** |
|  | Ans) sys.version is the fuction helps to find version of python. |
|  | **9) Python supports the creation of anonymous functions at runtime using a construct called \_\_\_\_\_\_\_\_\_\_\_?** |
|  | Ans) python supports the creation of anonymous functions at runtime using a construct called (lambda) Lambda Function. |
|  | **10) What does pip stand for Python?** |
|  | Ans) Preferred Installer Program. |
|  | **11) Mention a few buit-function in Python.** |
|  | ans) the functions are:- |
|  | \*print( ) function. |
|  | \*type( ) function. |
|  | \*input( ) function. |
|  | \*abs( ) function. |
|  | \*pow( ) function. |
|  | \*dir( ) function. |
|  | \*sorted( ) function. |
|  | \*max( ) function. |
|  | **12) What is the maximum possible length of an identifier in Python?** |
|  | Ans) 79 Characters |
|  | **13) What are benefits of using Python?** |
|  | Ans-13) They are lots of benefits of Python programming language. Python is an object-oriented, high-level and Powerful programming language- |
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|  | \* Fastest-Growing Programming Languages :- Python programming has become one of the fasting growing programming language in the world and is the primary |
|  | for many applications and It's property is to high. Python language is used by almost all tech-giant companies like – Google, Amazon, Facebook, Instagram, |
|  | Uber and alos now 3D software and use Python |
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|  | \* Python is Beginner Friendly :- Python support english syntex and is designed to be concise and easy to read. All of which makes It more accessible to |
|  | first-time coders. It is a Interpreted programming language this means that you can run each line of code once you have finished writing it allows you to |
|  | implement check it and make adjustment if needed |
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|  | \* Python is Versatile :- Python is totally versatile language as it has been used widely in Artificial Intelligence, Machine Learning, Data Science, |
|  | Web Development, embedded systems, Graphic Design applications, Big Data , Data mining, Gaming and more. |
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|  | \* Python High in Demand :- As Python is getting more popular along with an increase in an active community and It's function the demand for python |
|  | professionals is also increasing python jobs are increasing growing in every business sectors and provide high salaries. Python developer is one of the |
|  | highest paid jobs in USA. |
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|  | **14) How is memory managed in Python?** |
|  | ans) Memory management in Python involves a private heap containing all Python objects and data struct. The management of this private heap is ensured internally by the Python memory manager |
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|  | **15) How to install Python on windows and set path variable?** |
|  | ans) Go on www.python.org and download any version as you want. double click on download file and simple install python. |
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|  | -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 on 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. |
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|  | **16) Is identification required in Python?** |
|  | Ans-16) Each and every object in Python when stored into the memory is being allocated a unique identification number that helps the Python compiler to |
|  | perform better and utilize memory efficiently. Each object has its own unique identity assigned to it as an integer number which differentiates |
|  | it from other objects. |