1. ***Who developed python programming language?***

Ans; [Python](https://www.geeksforgeeks.org/python-programming-language/) is a widely-used general-purpose, high-level programming language. It was initially designed by Guido van Rossum in 1991 and developed by Python Software Foundation.

1. ***Which type of programming does python support?***

Ans: Python is a multi-paradigm programming language. Object-oriented programming and structured programming are fully supported, and many of their features support functional programming and aspect-oriented programming (including metaprogramming and metaobjects).

1. ***Is python case sensitive when dealing with identifiers?***

**Yes Python is a case-sensitive language**, i.e., it treats uppercase and lowercase characters differently. This applies to identifiers too. You must avoid using the same name with different cases while naming identifiers

1. ***What is the correct extension of the python file?***

Ans:  The extensions for Python files are - **.** **py, .** **pyi,**

1. ***Is python code compiled or interpreted?***

Ans: Python is an interpreted language, which means the source code of a Python program is converted into bytecode that is then executed by the Python virtual machine. Python is different from major compiled languages, such as C and C + +, as Python code is not required to be built and linked like code for these languages.

1. ***Name a few blocks of code used to define in python language?***

Ans: Indentation is used to define a block of code in python. **Braces {}** are used to define a block of code in most programming languages, like C, C++, and Java. But this indentation makes python unique among all programming languages.

1. ***State the character usedf to give single-line comment in python?***

Ans: Hash character(#) is used to comment the line in the Python program. Comments does not have to be text to explain the code, it can also be used to prevent Python from executing code.

1. ***Mention functions which can help us to find the version of python that we are currently working on ?***

Ans: The function **sys.** **version** can help us to find the version of python that we are currently working on.

1. ***Python supports the creation of anonymous functions at runtime, using a construct called …..?***

ANS: LAMBDA

1. ***What does pip stand for In python ?***

ANS: Preferred Installer Program

1. ***Mention a few build-in functions in python?***

Ans: Python Built-in Functions

print( ) function.

type( ) function.

input( ) function.

abs( ) function.

pow( ) function.

dir( ) function.

sorted( ) function.

max( ) function.

1. ***What is the maximum possible length of an identifier in python?***

Answer: An identifier can have a maximum length of **79 characters** in Python. Python is one of the most popular programming languages. Guido van Rossum created it, and it was released in 1991.

1. What are the benefits of using python?

Ans: Advantages of Python

Simple to Use and Understand. For newcomers, Python is simple to understand and use. ...

Free and Open-Source. ...

Productivity has Increased. ...

Interpreted Language. ...

Extensive library. ...

Dynamically Typed. ...

Portability. ...

Supportive community.

1. ***How is memory managed in python?***

Ans: Memory management in Python **involves a private heap containing all Python objects and data structures**. The management of this private heap is ensured internally by the Python memory manager.

1. ***How to install the python on windows and set path variables?***

Ans: In the section entitled User Variables, double-click on the entry that says Path. Another window will pop up showing a list of paths. Click the New button and paste the path to your Python executable there. Once that's inserted, select your newly added path and click the Move Up button until it's at the top.

1. ***Is indentation required in python?***

**Ans: Indentation is mandatory in python to define the blocks of statements**. The number of spaces must be uniform in a block of code. It is preferred to use whitespaces instead of tabs to indent in python.