Q 1. Explain Python ?

Ans. Python is an interpreted, object-oriented, high-level programming language.Python's simple, easy to learn syntax emphasizes readability and therefore reduces the cost of program maintenance. Python supports modules and packages, which encourages program modularity and code reuse.

Q2. What is Pythonpath ?

Ans. A Pythonpath tells the Python interpreter to locate the module files that can be imported into the program. It includes the Python source library directory and source code directory.

Q3. Can we preset Pythonpath?

Ans. Yes, we can preset Pythonpath as a Python installer.

Q4. **What are the supported standard data types in Python?**

Ans. The supported standard data types in Python include the following.

1. List.
2. Number.
3. String.
4. Dictionary.
5. Tuples.

Q5. Define tuple in Python ?

Ans. Tuples is a sequence data type in Python. The number of values in tuples are separated by commas. Tuples are immutable.

Q.6 **What are the positive and negative indices?**

Ans. In the positive indices are applied the search beings from left to the right. In the case of the negative indices, the search begins from right to left. For example, in the array list of size n the positive index, the first index is 0, then comes 1 and until the last index is n-1. However, in the negative index, the first index is -n, then -(n-1) until the last index will be -1.

Q.7 **Define Pass statement in Python?**

Ans. A Pass statement in Python is used when we cannot decide what to do in our code, but we must type something for making syntactically correct.

Q.8 **Why do we need a break in Python?**

Ans. Break helps in controlling the Python loop by breaking the current loop from execution and transfer the control to the next block.

Q.9 **Why do we need a continue in Python?**

Ans. A continue also helps in controlling the Python loop but by making jumps to the next iteration of the loop without exhausting it.

Q10. **What is the major difference between tuples and lists in Python?**

