Python Questions & Answers

What is Python?

Python is a high-level, general-purpose programming language. Its design philosophy emphasizes code readability, and its syntax allows programmers to express concepts in fewer lines of code than possible in languages such as C++ or Java. The language provides constructs intended to enable clear programs on both a small and large scale.

What is pickling and unpickling?

Pickle module accepts any Python object and converts it into a string representation and dumps it into a file by using dump function, this process is called pickling. While the process of retrieving original Python objects from the stored string representation is called unpickling.

How Python is interpreted?

Python language is an interpreted language. Python program runs directly from the source code. It converts the source code that is written by the programmer into an intermediate language, which is again translated into machine language that has to be executed.

What are the tools that help to find bugs or perform static analysis?

PyChecker

What are Python decorators?

A Python decorator is a specific change that we make in Python syntax to alter functions easily.

What is the difference between list and tuple?

The difference between list and tuple is that list is mutable while tuple is not. Tuple can be hashed for e.g as a key for dictionaries.

What is Dict and List comprehensions are?

They are syntax constructions to ease the creation of a Dictionary or List based on existing iterable.

What is namespace in Python?

Namespace in python are implemented as python dictionaries,this means it is a mapping from names to object.the user doesn't have to know this to write a python program and when using namespace.the following some namespace in python.

What is pass in Python?

Pass means, no-operation Python statement, or in other words it is a place holder in compound statement, where there should be a blank left and nothing has to be written there.

What are iterators?

In Python, iterators are used to iterate a group of elements, containers like list.

What is slicing?

A mechanism to select a range of items from sequence types like list, tuple, strings etc. is known as slicing.

How you can convert a number to a string?

In order to convert a number into a string, use the inbuilt function str(). If you want a octal or hexadecimal representation, use the inbuilt function oct() or hex().