

Python Assignment-01 Answers

1) What is JPython & CPython?

Ans.-> Jython is a Python interpreter implemented in Java. It can be fully integrated into existing Java applications;

alternatively, Python applications can be compiled into a collection of Java classes. Python programs running on the Jython virtual machine have full access to the Java classes and APIs.

->CPython is the reference implementation of the Python programming language. Written in C and Python, CPython is the

default and most widely used implementation of the language. CPython can be defined as both an interpreter and a compiler as it compiles

Python code into bytecode before interpreting it. It has a foreign function interface with several languages including C, in which one must explicitly write bindings in a language other than Python.

2) Basic difference between Python2 & python3.

Ans. This is the most well-known change. In this, the print keyword in Python 2 is replaced by the print() function

in Python 3.

In Python 2 implicit str type is ASCII. But in Python 3 implicit str type is Unicode.

Function take data from the user (user_input) in the python 2, but in the python 3 (input()) function is use.

3) Difference between ASCII & unicode.

Ans. ASCII defines 128 characters, which map to the numbers 0-127. Unicode defines (less than) 221 characters, which, similarly, map to numbers 0-221 (though not all numbers are currently assigned, and some are reserved). Unicode is a superset of ASCII, and the numbers 0-128 have the same meaning in ASCII as they have in Unicode. For example, the number 65 means "Latin capital 'A'".