

IMP Long Questions of **PYTHON**:

Que-1:

- (1) Difference between C, Java, and Python.
 - (2) Explain data types in Python.
 - (3) Explain Memory Management in Python.
 - (4) Explain flavors of Python in detail.
 - (5) Explain operators in Python in detail.
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Que-2:

- (1) Explain slicing and processing with example.
 - (2) What is Function? Explain pass by object reference.
 - (3) Explain functions in Python with example in detail.
 - (4) Explain module in Python with example in detail.
 - (5) Explain command line arguments with example.
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Que-3:

- (1) What is Tuple? Explain creating and accessing Tuple elements.
 - (2) Explain list with all operations, methods, and example in Python.
 - (3) Explain array in Python with operations and example in detail.
 - (4) What is Inheritance? Explain with example (including Single Inheritance).
 - (5) Explain polymorphism and encapsulation in detail.
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Que-4:

- (1) What is Class? Explain creation of Class and Object.
 - (2) Explain constructor (`__init__`) with example in detail.
 - (3) Explain exception handling with example in detail.
 - (4) Write a Python program to insert a row into a MySQL database table.
 - (5) Write a Python program to create a sequence of numbers using `range` (1 to 30, increment of 2).
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Que-5:

(1) What is File? Explain create, reading, and writing in file.

(2) Explain While Loop with example.

(3) Explain the use of the `self` parameter in Python.

(4) Define garbage collection and PVM in Python.

(5) Explain the use of Python's standard library.
