

Assignment No :1

Basic Python Questions:

1. What is the difference between a list and a tuple in Python?
2. How does Python handle memory management?
3. What are Python's built-in data types?
4. What is the difference between `is` and `==` operators in Python?
5. How do you handle exceptions in Python?

Intermediate Python Questions:

6. What is list comprehension? Provide an example.
7. Explain the use of Python's function and operation
8. What is the difference between a shallow copy and a deep copy?

Advanced Python Questions:

9. How does Python's Global Interpreter Lock (GIL) affect multithreading?
10. What are decorators in Python? Provide an example.