

Data-Structures

Assignment Questions



- 1. Why might you choose a deque from the collections module to implement a queue instead of using a regular Python list?**
- 2. Can you explain a real-world scenario where using a stack would be a more practical choice than a list for data storage and retrieval?**
- 3. What is the primary advantage of using sets in Python, and in what type of problem-solving scenarios are they most useful?**
- 4. When might you choose to use an array instead of a list for storing numerical data in Python? What benefits do arrays offer in this context?**
- 5. In Python, what's the primary difference between dictionaries and lists, and how does this difference impact their use cases in programming?**