

Lab 1-Arrays

[https://docs.google.com/document/d/1HOCXMA5BOnwNkGY0JJuOsOnMwQHmOAlqEvg4\\_9zuBec/edit?usp=sharing](https://docs.google.com/document/d/1HOCXMA5BOnwNkGY0JJuOsOnMwQHmOAlqEvg4_9zuBec/edit?usp=sharing)

Lab 2-Circular Arrays

<https://drive.google.com/drive/folders/1BpdAZI2hb6AITlvwf9r2j5zHOc9T5p69>

Lab 3: Linked Lists

[https://drive.google.com/drive/folders/18AjepMW\\_kryxORdr9-HjiC93I1Qr3ydv?usp=sharing](https://drive.google.com/drive/folders/18AjepMW_kryxORdr9-HjiC93I1Qr3ydv?usp=sharing)

Lab 4: Doubly Linked Lists

You need to implement a **dummy headed doubly circular linked list** for today's lab

<https://drive.google.com/drive/folders/1nQwU6omU5oPsKILjSdKFSSk0GFCOUA02>

Lab 5: Stack-Parenthesis Balancing

<https://docs.google.com/document/d/1ypo5RtGUvV3V4hHMg1xDBnUqLVq-8JqP9kvs8zHQo9c/edit>

Lab 6: Recursion

<https://docs.google.com/document/d/1tfVj9ZReEozapRWFvF1YL2OX6fuvCEXXBZJAf2eCqE4/edit?usp=sharing>

Lab 7: Key Indexed Searching & Sorting, Hashing

[https://docs.google.com/document/d/1J3FSBhkj3v82AH2euSgy\\_hO-aqnmY0C9ZQ6FKr1L-tk/edit](https://docs.google.com/document/d/1J3FSBhkj3v82AH2euSgy_hO-aqnmY0C9ZQ6FKr1L-tk/edit)

Reference videos:

Key indexing: <https://youtu.be/oBcOaoz-DFo>

Hashing: <https://youtu.be/5y7pk0VPEto>

Lab 8: Searching & Sorting

<https://docs.google.com/document/d/1ZOc8yY0qSyhtG8ZgbEzFdP3nfrzVTpnOlfrY9S6Wn40/edit?usp=sharing>

Lab 9: Trees and Graphs

[https://docs.google.com/document/d/1bptYnzwLM1rWut-uvpkLq0j\\_ePH9xz6/edit](https://docs.google.com/document/d/1bptYnzwLM1rWut-uvpkLq0j_ePH9xz6/edit)