

Sheet 1

1 - we use Algorithm to make operation on D.S like adding, deleting and search

2 - Primitive D.S like int, float and char
- Non Primitive D.S like Array, linked list
- Non linear D.S like Tree-graph

3 - Insertion - Searching - Deletion
Merging and Sorting

4. D.S Algorithm

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|----------------------|-----------------|
| 1 - Correctness | 1 - Unambiguous |
| 2 - Time Complexity | 2 - Input |
| 3 - Space Complexity | 3 - output |
| | 4 - Finiteness |
| | 5 - Feasibility |

5 - Search - Sort - Insert - update
delete

b - Time factor - Space factor