

DSA

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DS - DATA STRUCTURE

A - ALGORITHM

REAL LIFE EXAMPLE

Like a library system:

Data structures = shelves (organization)

algorithms = process to find books

WHY LEARN DSA :

- FOUNDATION FOR EFFICIENT PROGRAMMING.
- HELPS WRITE OPTIMIZED AND SCALABLE CODE.
- CORE REQUIREMENT FOR TECH INTERVIEW
- INCREASE THE PROBLEM SOLVING ABILITY

GOOD DSA
KNOWLEDGE

=

BETTER HANDLING OF
LARGE-SCALE SYSTEMS

TYPES OF DATA STRUCTURE

LINEAR

- ARRAY
- STACK
- QUEUE
- LINKED LIST

NON – LINEAR

- TREES
- GRAPH