

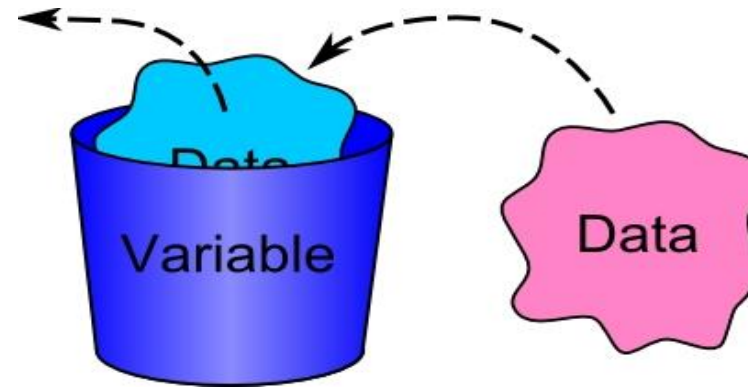
Introduction

BY

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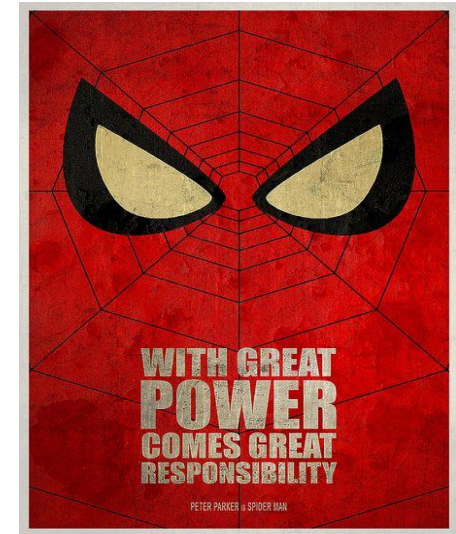
Introduction

- Programming languages.
- Variables.
- Manipulating Data.
- Data Structure.

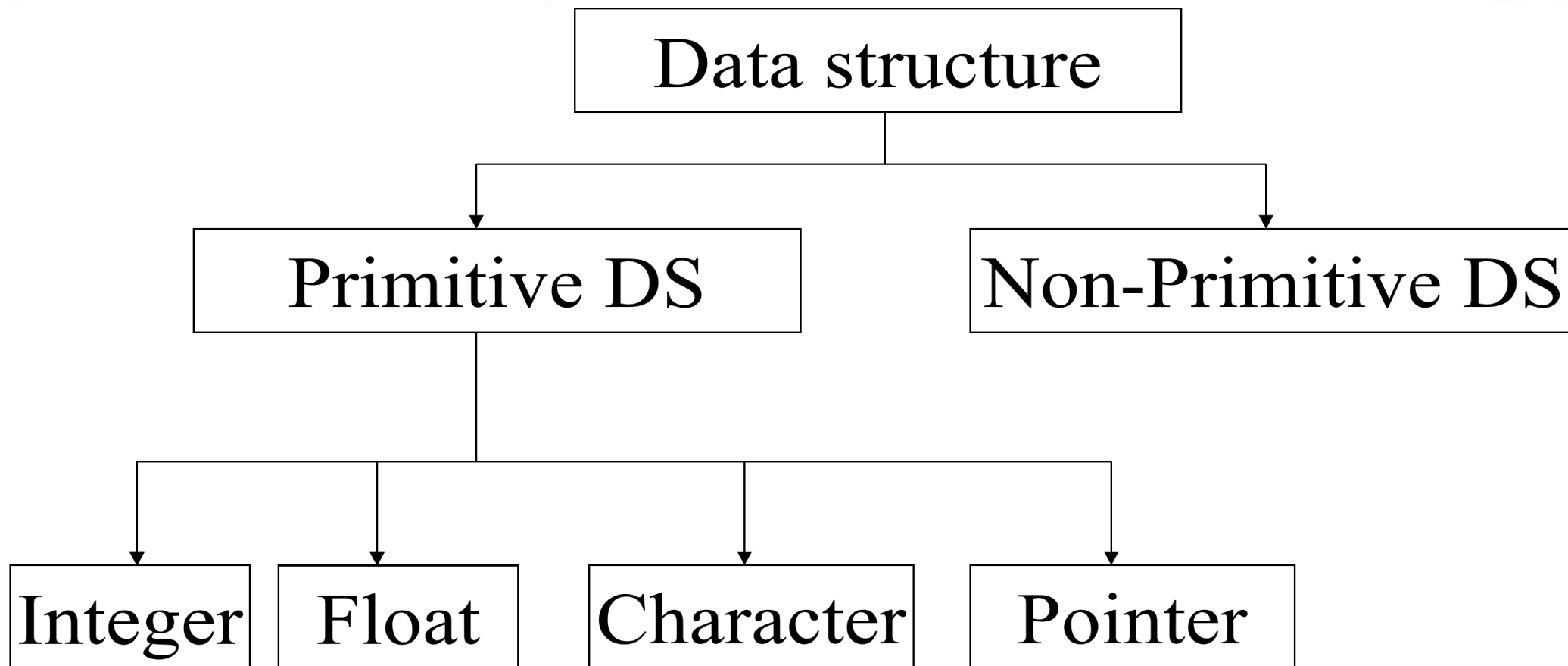


Introduction

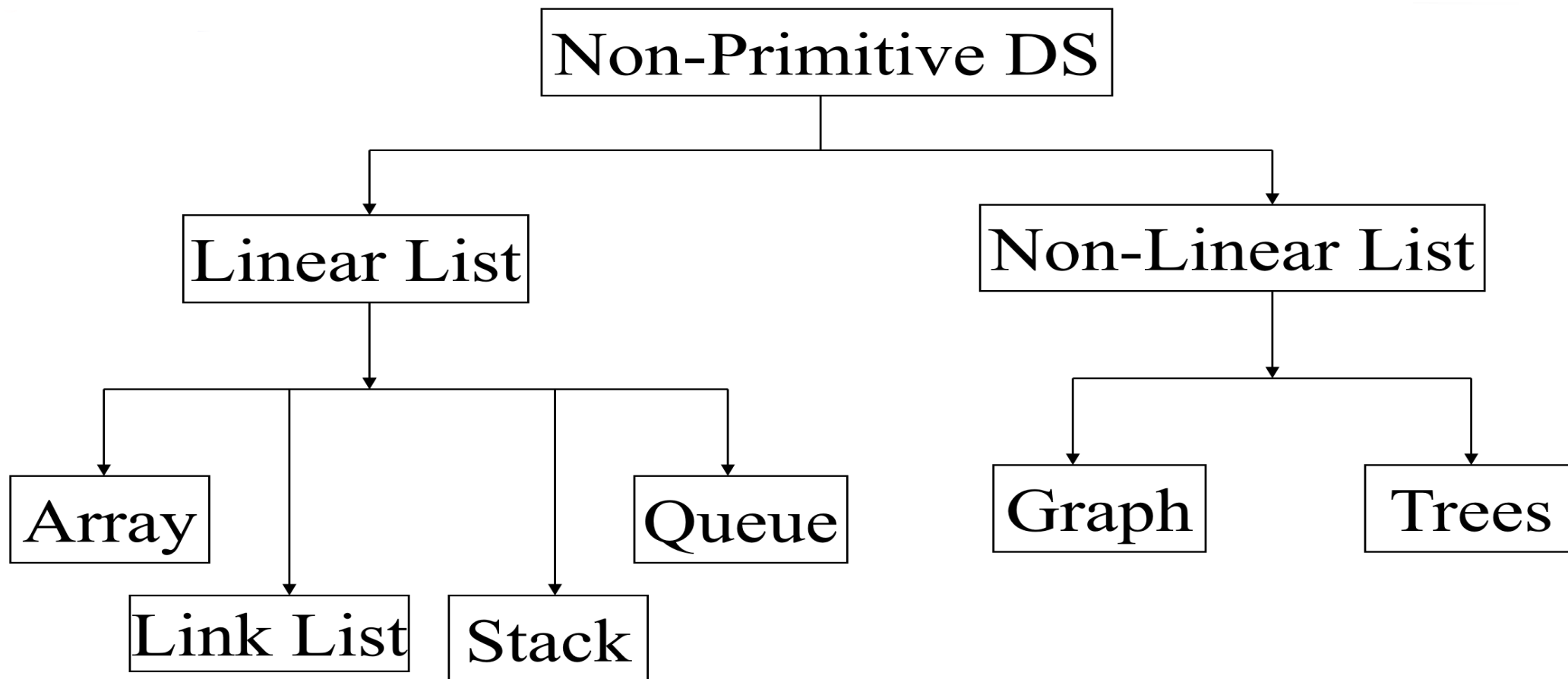
- We need to store and retrieve information efficiently.
- Does efficiency really matter?
 - Processing power and storage capabilities going up, so...?
- Data structure: Any data representation and its associated operations.
- We have stored (inserted) the data, what do we have to consider next?
 - Search for specified items
 - Print or process the data items
 - Modify the value of any particular data item
 - Delete one or more specific items.



Data Structures

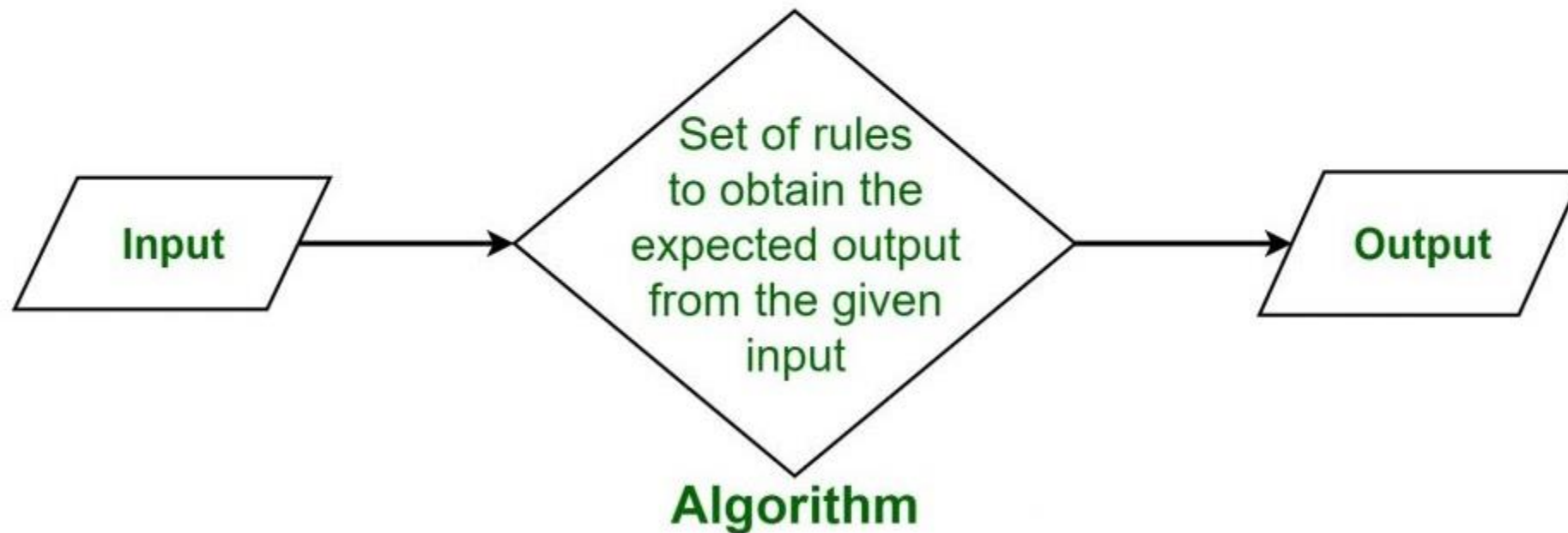


Data Structures



Algorithm

What is Algorithm?



Solutions

Introduction

- Why are DS important?
- Resource constraints.
 - **Space** (primary/secondary storage)
 - **Time**
- Cost of a solution ??