

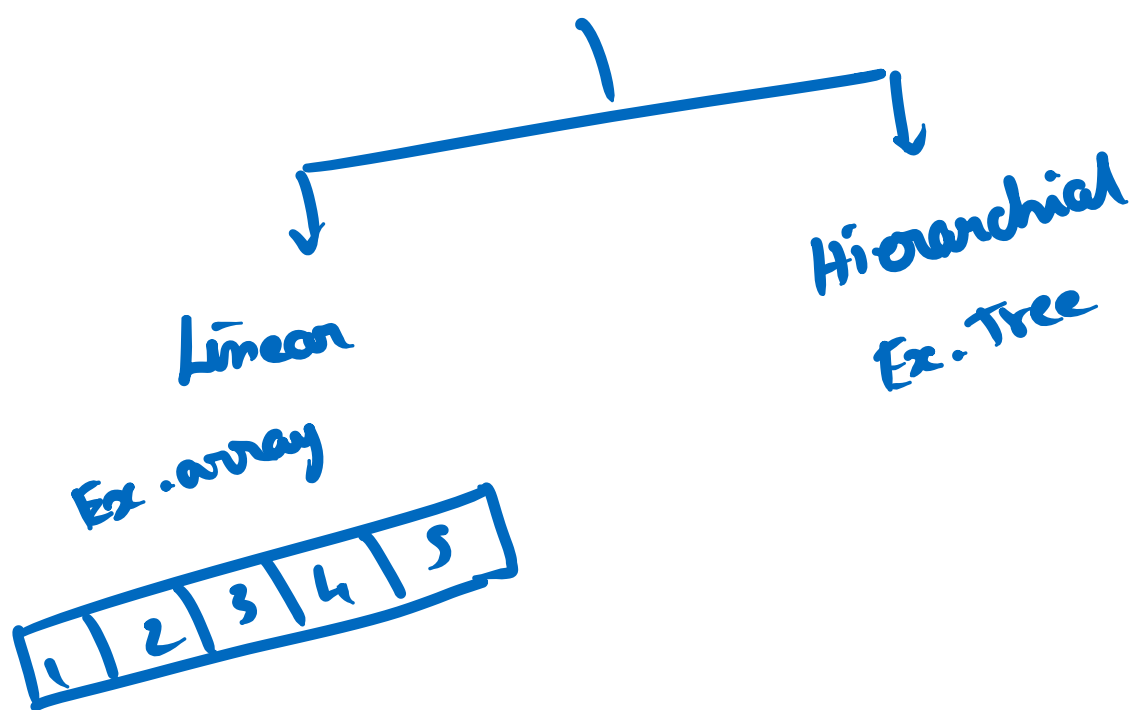
Data structures

Variable \rightarrow `int age = 20;` `ages = {20, 30, 40, 50, 60}`

"name1", "name2"

Data structures
 \rightarrow store multiple values
 one common reference

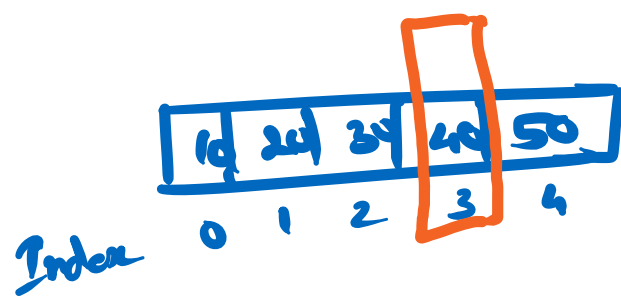
Data structures



Array



$0 \rightarrow n-1$ $n = \text{length}$



- 1) Linear
- 2) Same datatype
- 3) Not dynamic
- 4) Random access \rightarrow Indices / Index

4th element \rightarrow 3rd index

`int arr[] = {10, 20, 30, 40, 50};`

`int [] arr = new int [5];`

