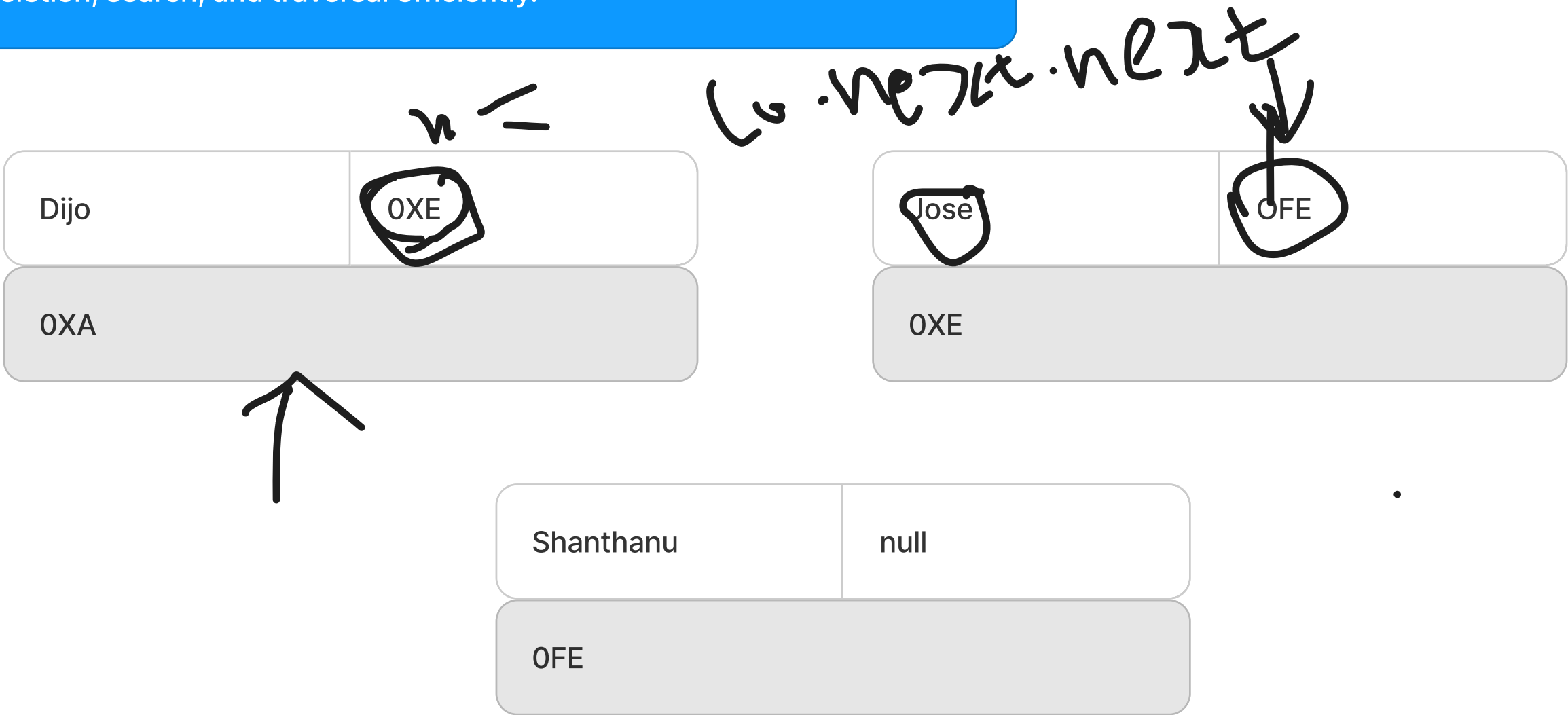


1. What Are Data Structures?

Data structures are specialized formats for organizing, processing, and storing data. They allow you to perform operations such as insertion, deletion, search, and traversal efficiently.



| | | | | | |
|----|----|----|----|----|----|
| 20 | 30 | 40 | 50 | 60 | 70 |
| 0 | 1 | 2 | 3 | 4 | 5 |

```
Class Student{  
    String name;  
    Student head;  
}  
Student s = new  
Student("Dijo",null)
```

```
List studentList =  
    new  
    LinkedList<>();  
studentList.add(  
    new Student());  
studentList.add(  
    new Student());
```

```
public void insert(String name){  
    Node newNode = new Node(name);  
    if(head == null){  
        head = newNode;  
    }else{  
        Node current = head;  
        while(current.next != null){  
            current = current.next;  
        }  
        current.next = newNode;  
    }  
}
```

