Q1. What is the advantage and disadvantage of the array?

Ans: Advantage

- 1. Data Reading is fast as compare to linked list because in array we can access element in random order or sequential order
- 2. If our operation are reading data then array is best choice
- 3. In Array Memory allocation is continues in heap

Disadvantage

If our frequent operation is data insertion and data deletion then array is the worst choice.

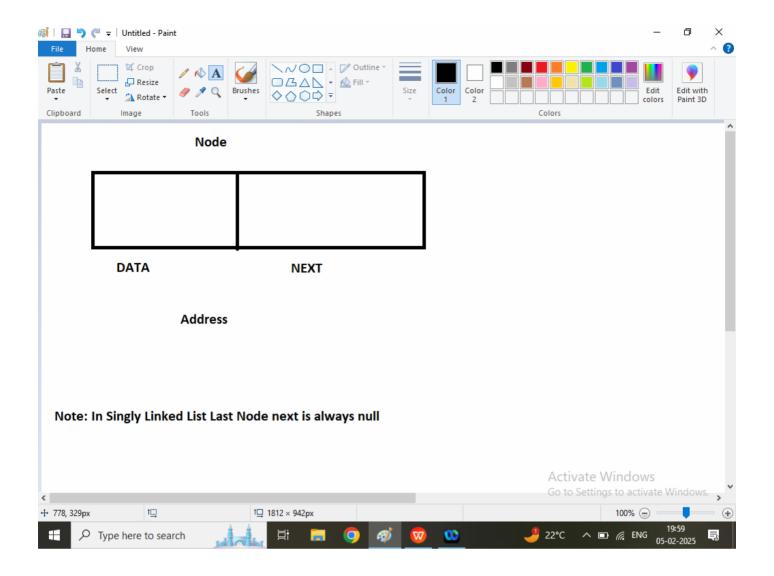
Q2. Explain Linked List in data Structure?
Ans: A Linked Linear Data Structure in which elements(nodes) are stored in memory non-contiguously and are connected through the object

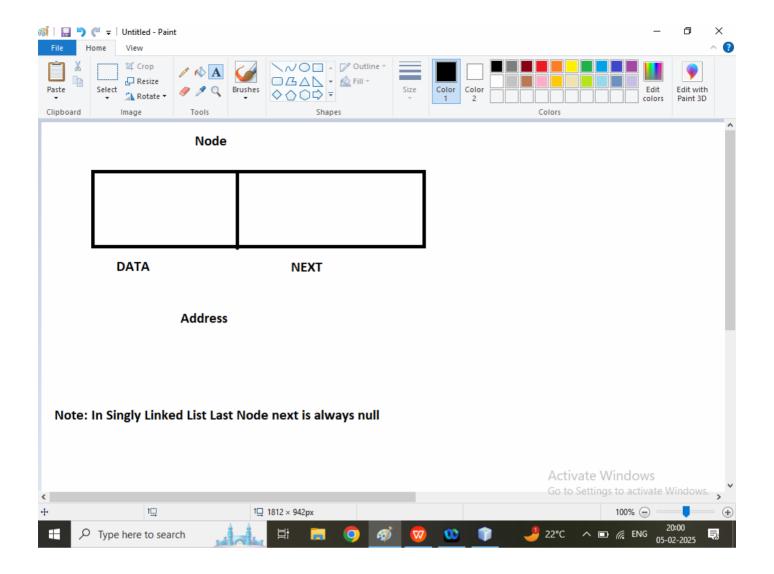
Linked List is a dynamic in nature

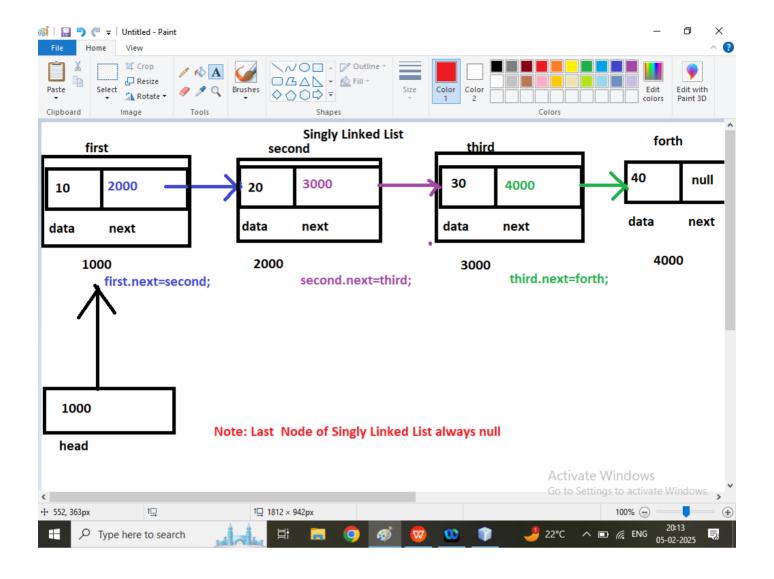
The Node contains two filed

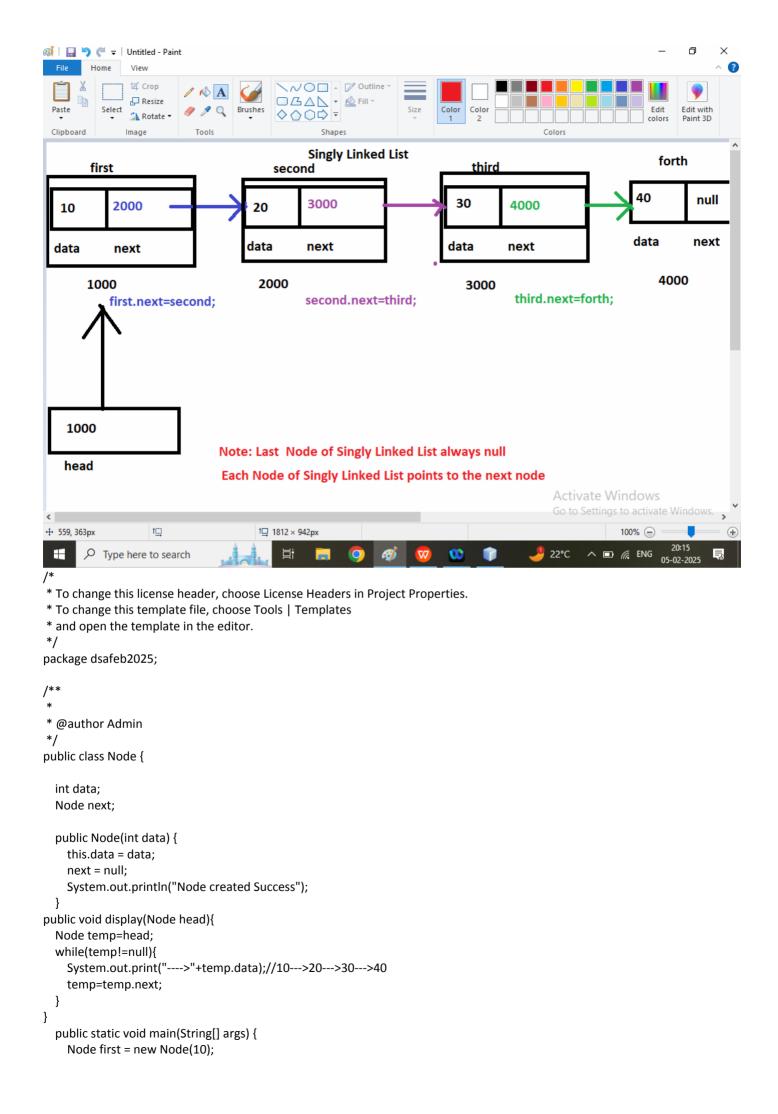
1. Data: It can store actual data

2. Next: It can store reference of next node









```
Node second = new Node(20);
Node third = new Node(30);
Node forth = new Node(40);
//Head point the first node of singly Linked List
Node head=first;
first.next=second:
second.next=third:
third.next=forth;
System.out.println("Print Data of Singly Linked List");
System.out.println("===>"+first.data+"===>"+second.data+"===>"+third.data+"===>"+forth.data);
System.out.println("Print Data of Singly Linked List Using head");
System.out.print("===>"+head.data);
System.out.print("===>"+head.next.data);
System.out.print("===>"+head.next.next.data);
System.out.print("===>"+head.next.next.next.data);
System.out.println("Print Data of Singly Linked List Using Method");
head.display(head);
```

}

