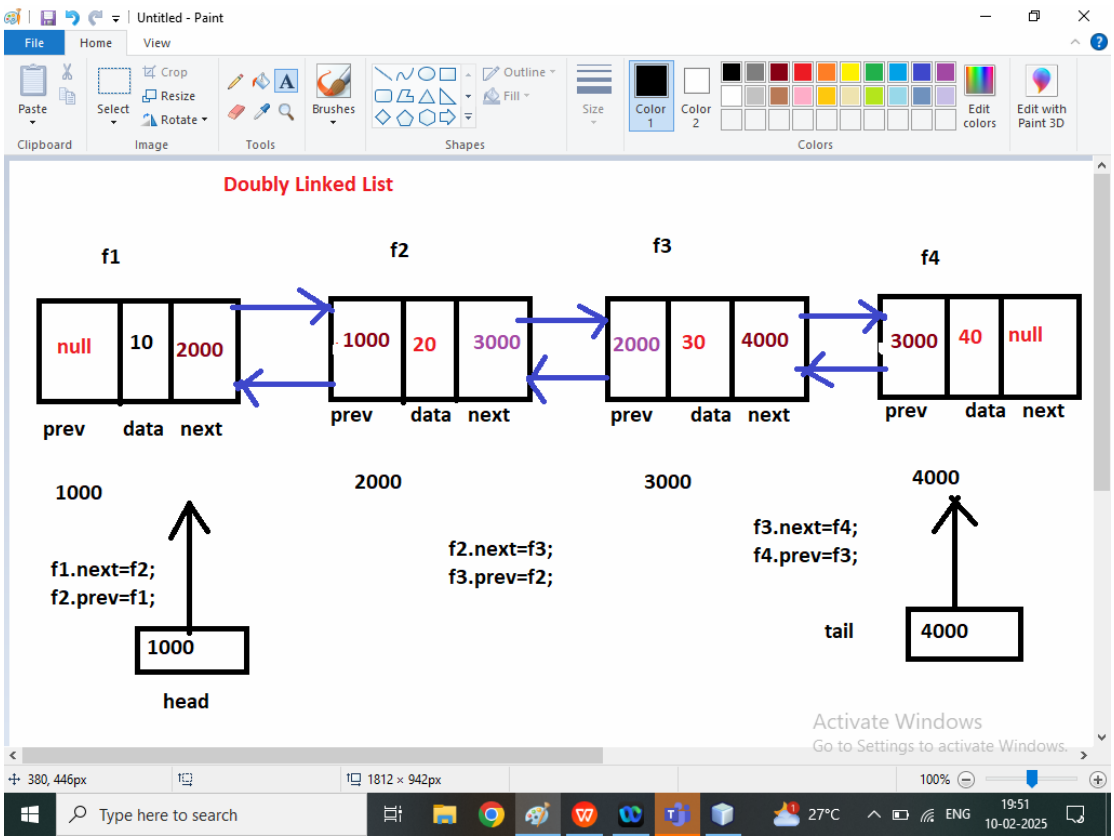
Q1. Print Data of doubly Linked List in forward and Backward Direction?




```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package dsafeb2025;

/**
 *
 * @author Admin
 */
public class Node {

   Node prev;
   int data;
   Node next;

   public Node(int data) {
      prev = null;
      this.data = data;
      next = null;
      System.out.println("Node Created In Doubly Linked List");
   }
   public void printForwardDirection(Node head){
```

```
    Node temp=head;
    while(temp!=null){
       System.out.print("=====>"+temp.data);
       temp=temp.next;

    }
  }
    public void printBackwardDirection(Node tail){
    Node temp=tail;
    while(temp!=null){
       System.out.print("=====>"+temp.data);
       temp=temp.prev;

    }
  }


  public static void main(String[] args) {
    Node f1 = new Node(10);
    Node f2 = new Node(20);
    Node f3 = new Node(30);
    Node f4 = new Node(40);
    f1.next=f2;
    f2.prev=f1;

    f2.next=f3;
    f3.prev=f2;

    f3.next=f4;
    f4.prev=f3;
    Node head=f1;
    Node tail=f4;
    System.out.println("Print Data of Doubly Linked In Forward Direction");
    head.printForwardDirection(head);
    System.out.println("\nPrint Data of Doubly Linked In Backward Direction");
    head.printBackwardDirection(tail);
  }

}
```

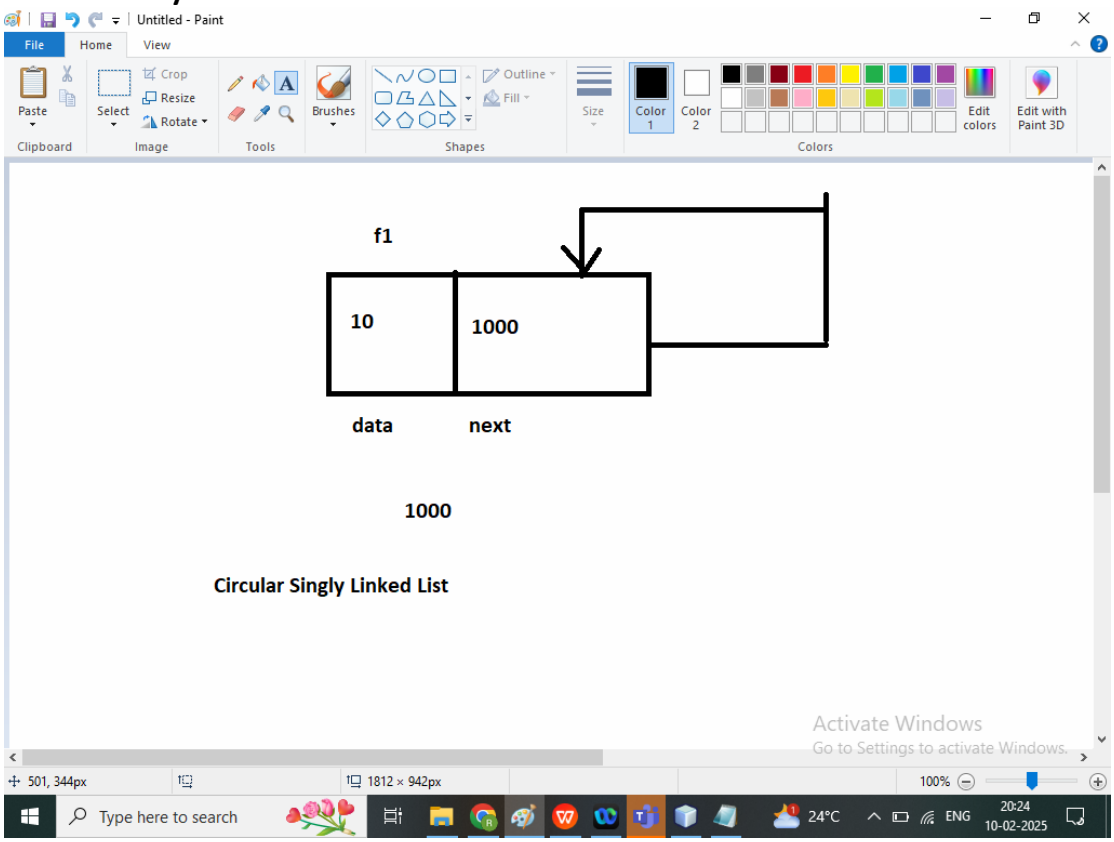
Q2. Explain Circular Linked List?

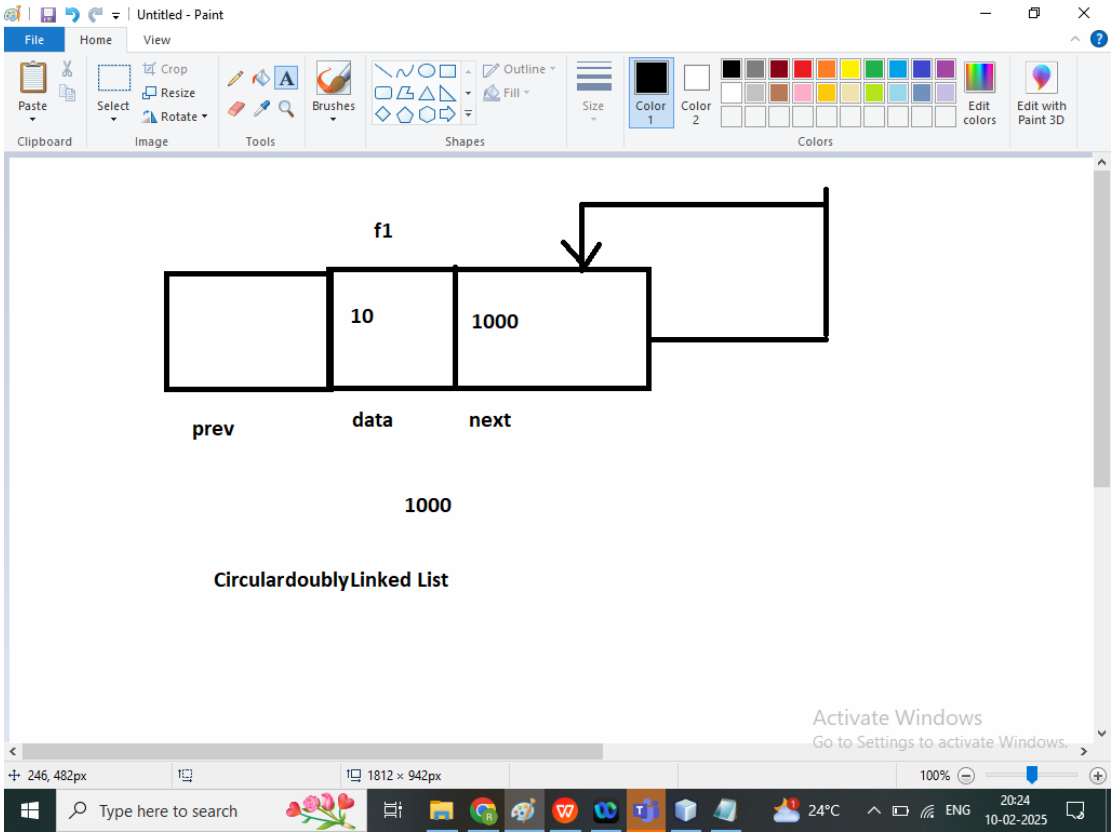
Ans: A Circular Linked List is a types of linked List where all node are connected to form of circle. Unlike Singly Linked List the last node does not null instead it connect to first node of the linked List

There are two types of Circular Linked List

1. Singly Circular Linked List: Each node connected and Last Node connect to the first Node

2. Doubly Circular Linked List

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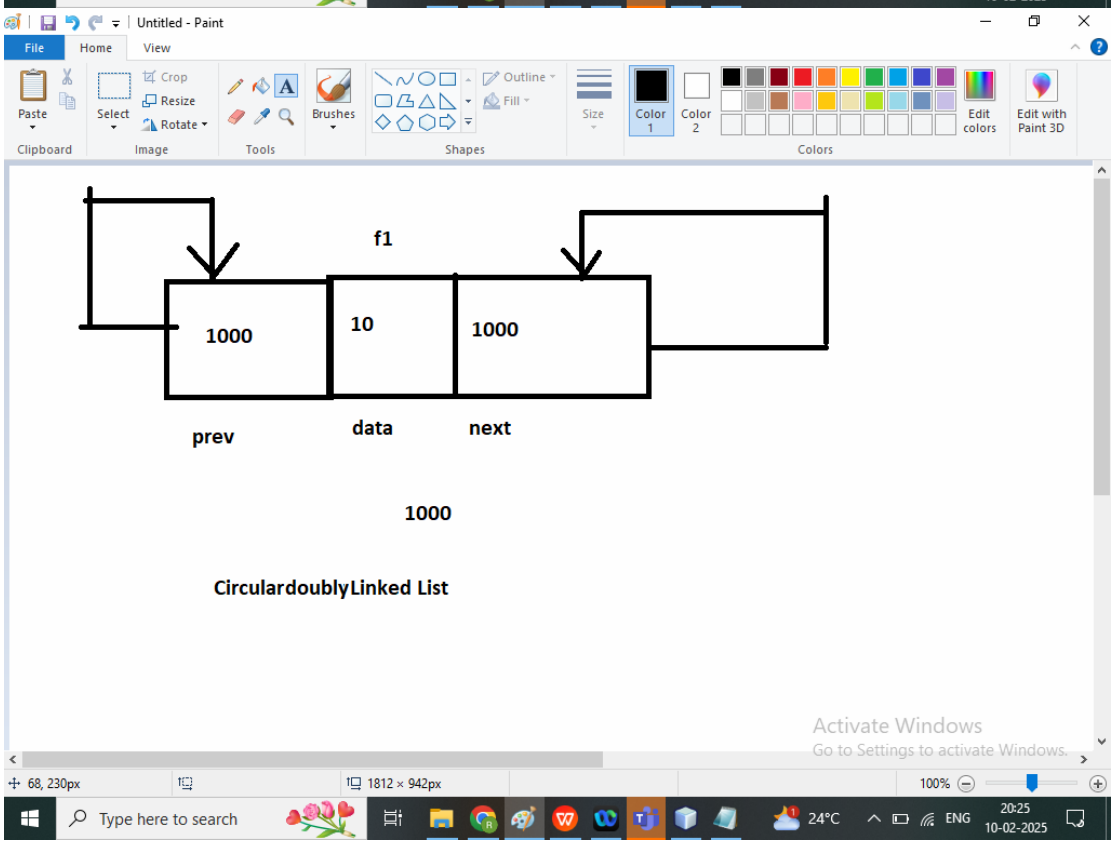
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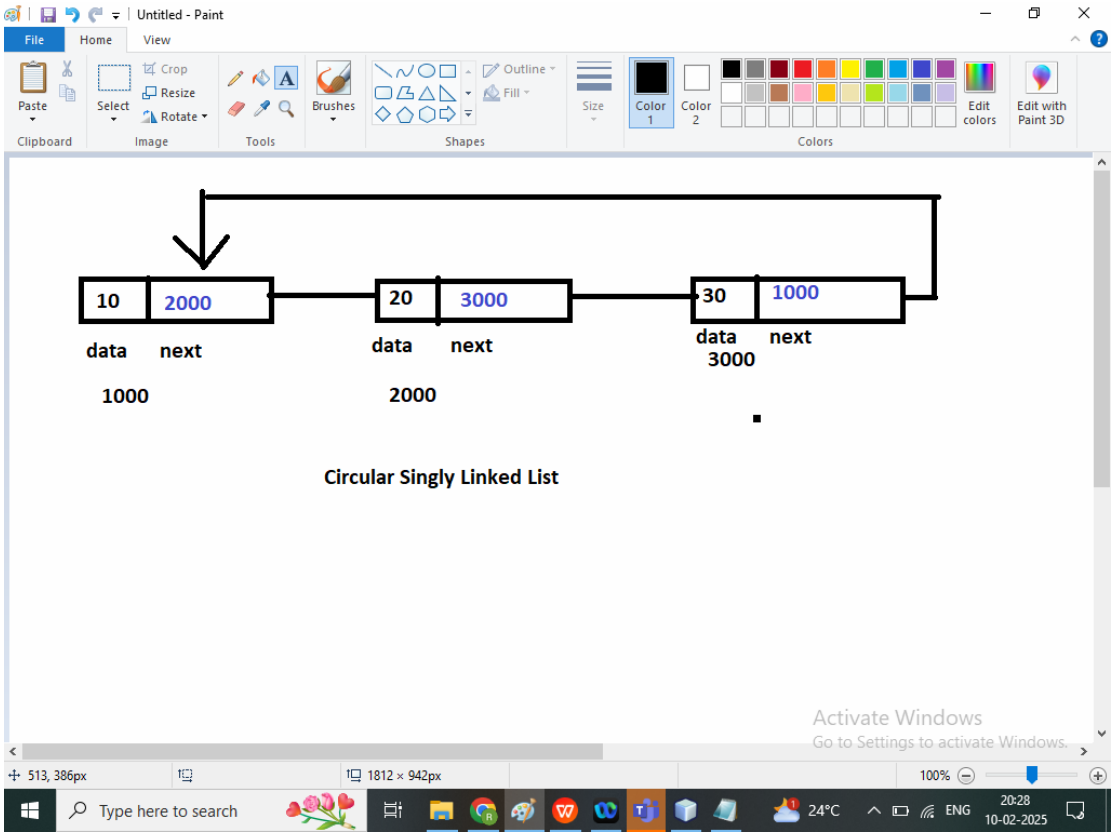
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