**Write a Java program to find the maximum and minimum value node from a circular linked list.**

package pblm;

import java.util.\*;

public class MinMax

{

public class Node

{

int data;

Node next;

public Node(int data)

{

this.data = data;

}

}

public Node head = null;

public Node tail = null;

public void add(int data)

{

Node newNode = new Node(data);

if(head == null)

{

head = newNode;

tail = newNode;

newNode.next = head;

}

else

{

tail.next = newNode;

tail = newNode;

tail.next = head;

}

}

public void minNode()

{

Node current = head;

int min = head.data;

if(head == null)

{

System.*out*.println("List Is Empty");

}

else {

do{

if(min > current.data)

{

min = current.data;

}

current= current.next;

}while(current != head);

System.*out*.println("Minimum Value Node In The List: "+ min);

}

}

public void maxNode()

{

Node current = head;

int max = head.data;

if(head == null)

{

System.*out*.println("List Is Empty");

}

else {

do{

if(max < current.data)

{

max = current.data;

}

current= current.next;

}while(current != head);

System.*out*.println("Maximum Value Node In The List: "+ max);

}

}

public static void main(String[] args) {

Scanner s=new Scanner(System.*in*);

MinMax cl = new MinMax();

System.*out*.println("Enter The Number Of Elements: ");

int n=s.nextInt();

System.*out*.println("Enter The Elements Into Linked List");

for(int i=0;i<n;i++)

{

cl.add(s.nextInt());

}

cl.minNode();

cl.maxNode();

}

}

**Output:**

