

```
import java.util.*;
```

```
public class Main {
    static class node {
        int data;
        node next;
```

```
    node(int val){
        this.data = val;
        this.next = null;
    }
}
```

```
public static node circularLinkedList(int val){
    node newNode = new node(val);
    newNode.next = newNode;
    return newNode;
}
```

```
public static node insertAtHead(node head, int val){
    node newNode = new node(val);
    if(head == null){
        newNode.next = newNode;
        return newNode;
    }
```

```
    newNode.next = head;
    node tail = head;
    while(tail.next != head){
        tail = tail.next;
    }
```

```
    tail.next = newNode;
}
```

```
return newNode;
```

```
public static void traverse(node head){
    node temp = head;
    do{
        System.out.print(temp.data+"->");
        temp = temp.next;
    }while(temp != head);
}
```

```
public static void main(String[] args) {
    node head = circularLinkedList(12);
    head = insertAtHead(head, 11);
    head = insertAtHead(head, 10);
    head = insertAtHead(head, 9);
    head = insertAtHead(head, 8);
    traverse(head);
}
```

```
}
```

```
}
```



