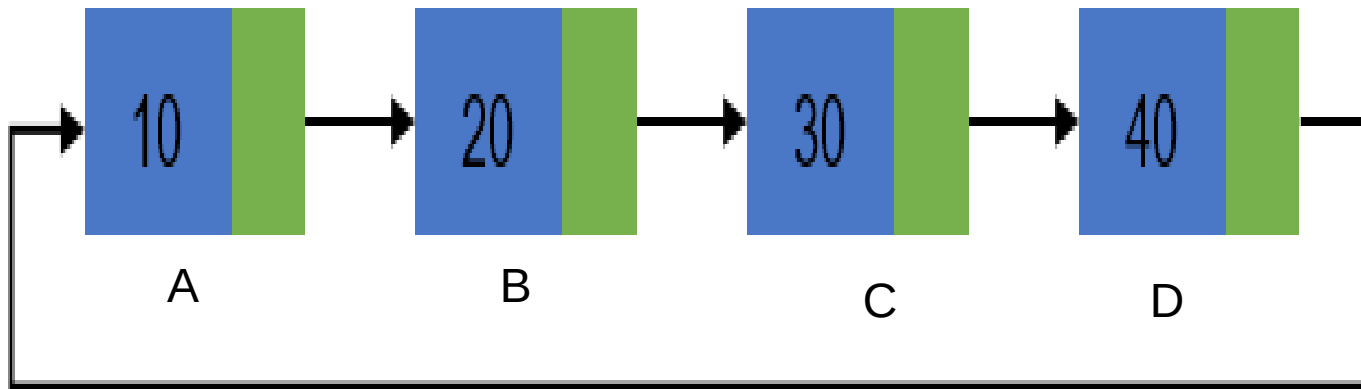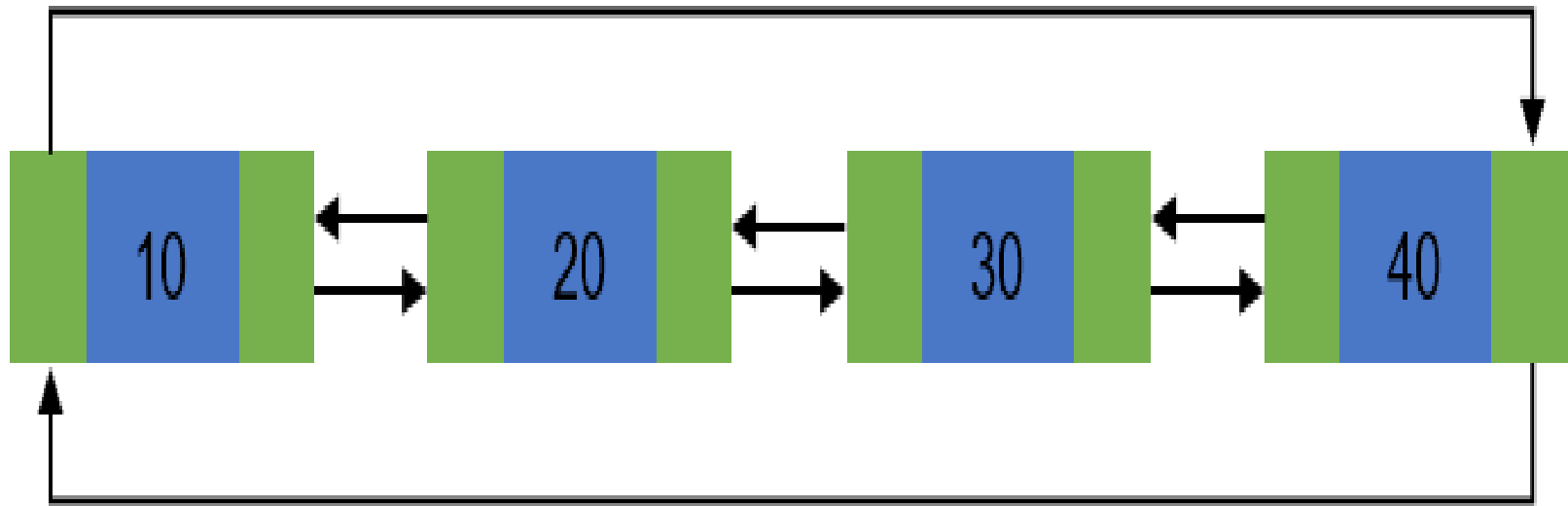# Circular Linked List

In doubly linked list, the next pointer of the last node points to the first node and the previous pointer of the first node points to the last node making the circular in both directions.
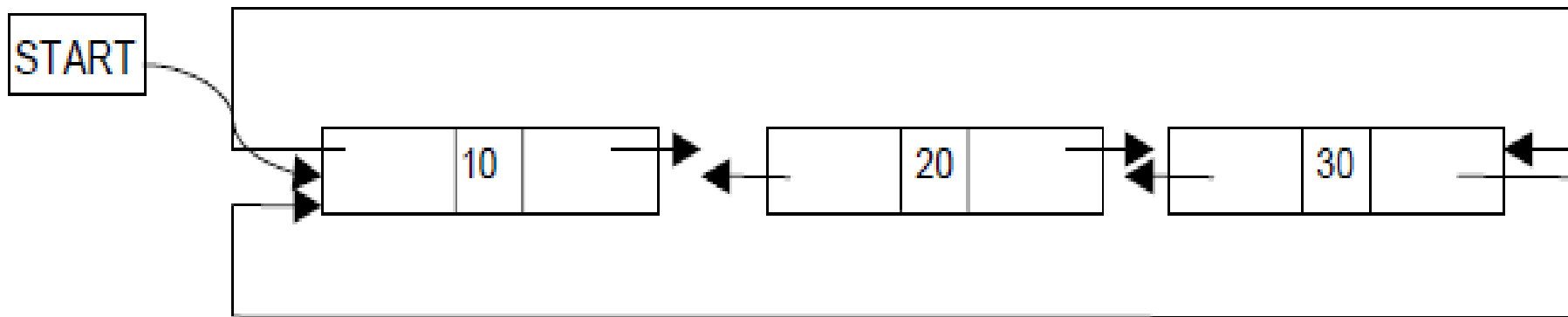
Circular Single Linked List

Circular Double Linked List

Circular Double Linked List

- A circular doubly linked list has both the successor pointer and predecessor pointer in circular manner

Circular Doubly Linked list

Adding the node at begin in circular Double Linklist

```
if(head==NULL)
{
temp->next = temp->prev = temp;
head= temp;
}
else
{
temp1=head->prev;
temp->next=head;
temp->prev=temp1;
temp1->next=temp;
head->prev=temp;
head=temp;
}
```

Adding the node at end in circular Double Linklist

```
if(head==NULL)
{
temp->next = temp->prev = temp;
head= temp;
}
else
{
temp1=head->prev;
temp->next=head;
temp->prev=temp1;
temp1->next=temp;
head->prev=temp;
}
```