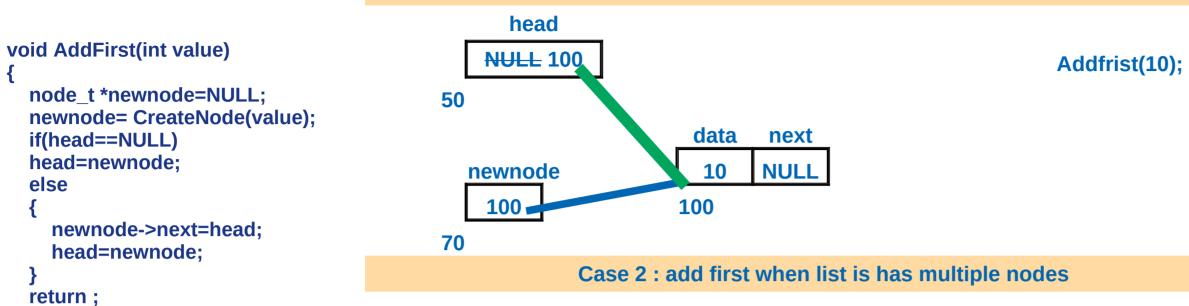
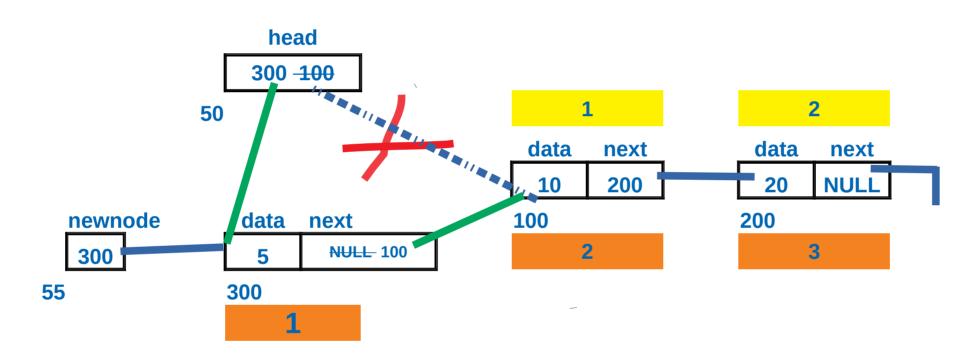
## **Case 1: add first when linked list is empty**





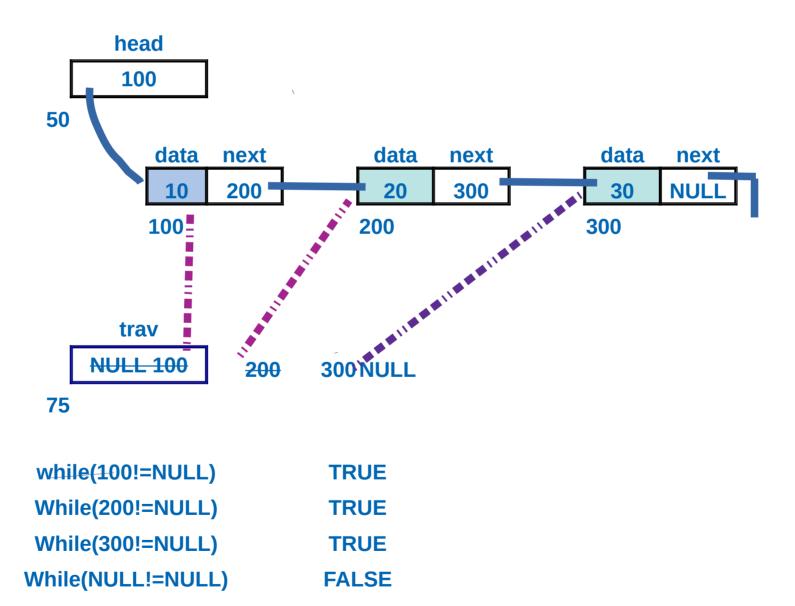
```
void DisplayList()
{
    node_t * trav=NULL;
    trav=head;
    if(trav==NULL)
    {
        printf("\n list is empty");
    }
    else
    {
            while(trav!=NULL)
            {
                 printf("\%d--->", trav->data);
                 trav=trav->next;
            }
            printf("\n");
            return;
}
```

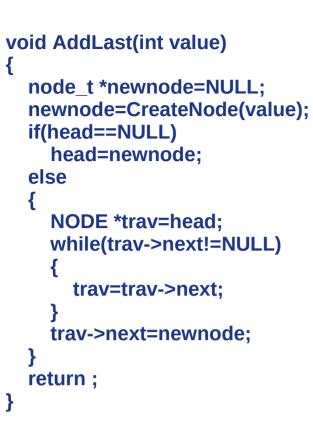
# 10 20 30

## **Case 1: display when list is empty**

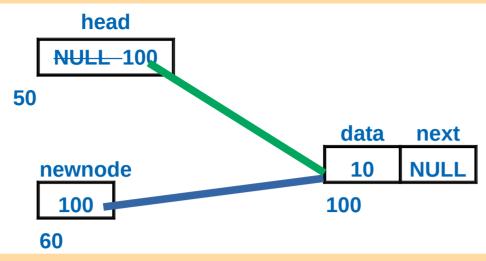


Case 2: display when list has multiple nodes

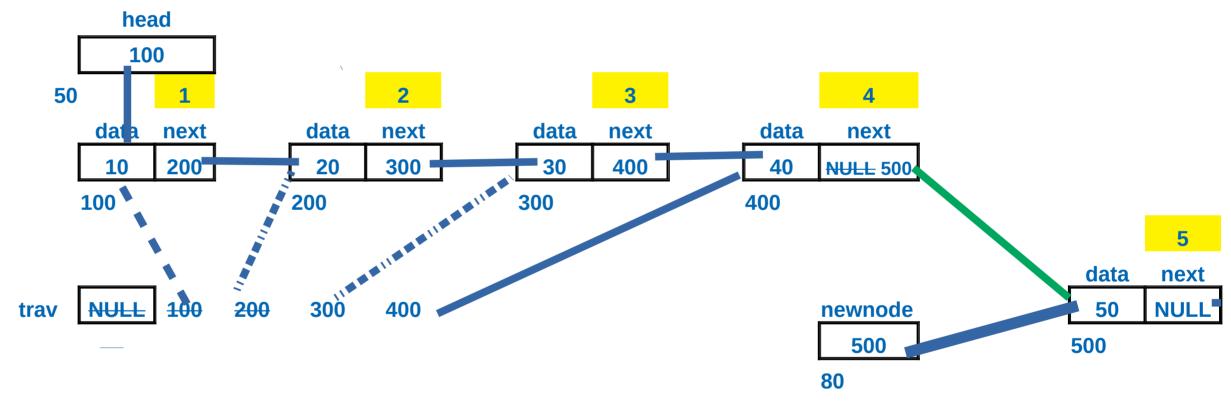




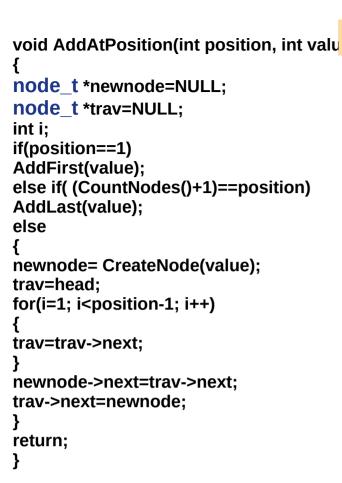
## **Case 1: add last when list is empty**



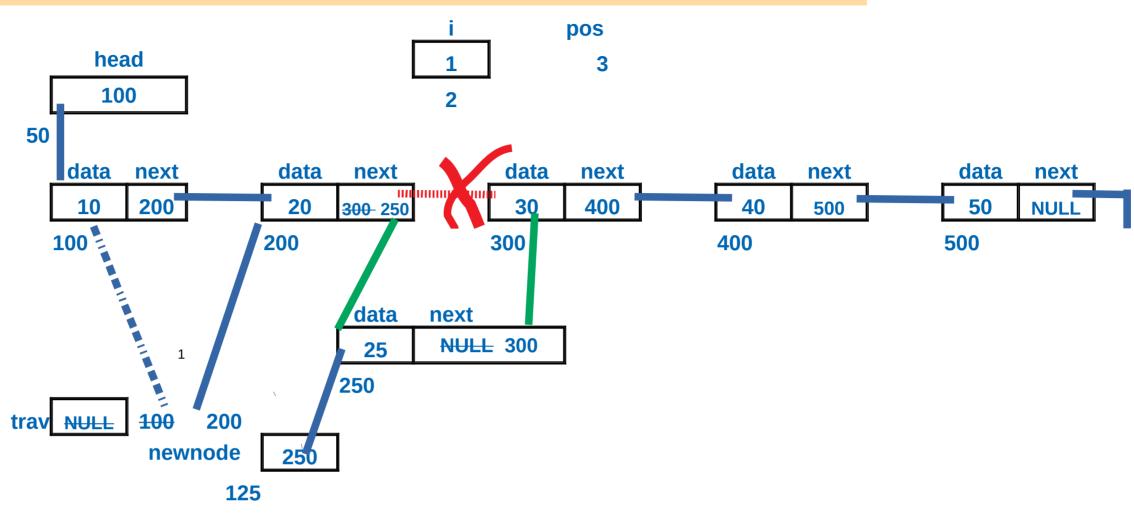
Case 2: add last when list is has multiple nodes



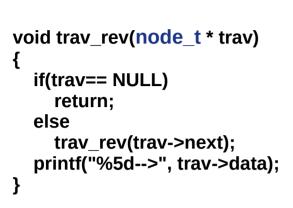
While(200!=NULL) TRUE
While(300!=NULL) TRUE
While(400!=NULL) TRUE
While(NULL!=NULL) FALSE

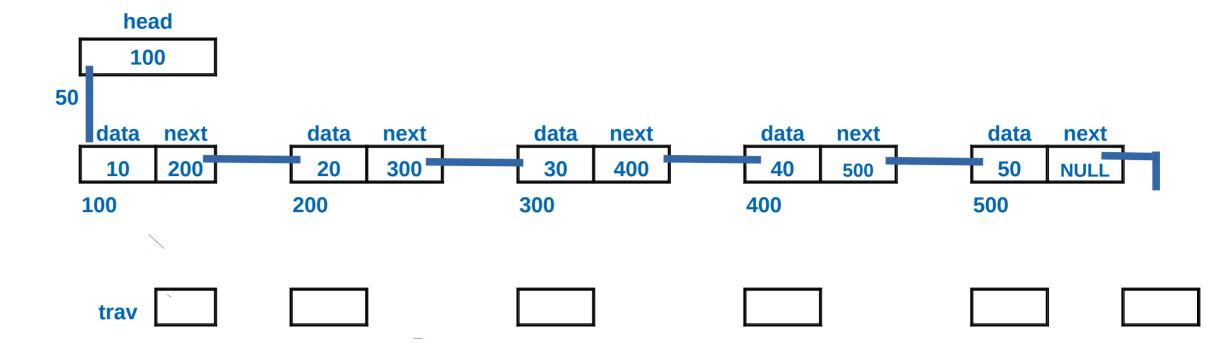


## Case 1: add at 3 rd position when list is has 5 nodes



## **Case 1: Print Linked List In Reverse**





500

5