

```
node addNode(node head, int value){
    node temp,p;// declare two nodes temp and p
    temp = createNode();//createNode will return a new node with data = value and next pointing to NULL.
    temp->data = value; // add element's value to data part of node
    if(head == NULL){
        pthread_mutex_lock(&mutex);
        head = temp;    //when linked list is empty
    }
    else{
        p = head;//assign head to p
        while(p->next != NULL){
            p = p->next;//traverse the list until p is the last node.The last node always points to NULL.
        }
        pthread_mutex_lock(&mutex);
        p->next = temp;//Point the previous last node to the new node created.
    }
    pthread_mutex_unlock(&mutex);
    return head;
}
```