typedef struct linkedlist ll;

struct linkedlist{

ll \*ptr;

int value;

}

ll\* insert\_front(ll\* head,int i){

ll \*n;

n = malloc(sizeof(ll));

n->value = i\*2;

if (head == NULL){

n->ptr = NULL;

head = n;

return head;

}

n->ptr = head;

head = n;

return head;

}

ll\* delete\_front(ll\* head){

ll \*ptr;

if(head == NULL){

printf("empty, cannot

delete");

return head;

}

if (head->ptr == NULL){

free(head);

head = NULL;

return head;

}

ptr = head;

head= head->ptr;

free(ptr);

return head;

}

ll\* delete\_end(ll\* head){

ll \*cur, \* prev;

if(head == NULL){

printf("empty, cannot

delete");

return head;

}

if (head->ptr == NULL){

free(head);

head = NULL;

return head;

}

cur = head;

prev = head;

while(cur->ptr != NULL){

prev = cur;

cur = cur->ptr;

}

prev->ptr = NULL;

free(cur);

return head;

}