**Assignment DAY-3**

**1)Write a function "insert\_any()" for inserting a node at a given position of the linked list.**

*doubt.*

**2) Write a function "delete\_beg()" for deleting a node from the beginning of the linked list.**

void delete\_beg()

{

struct node \*toDelete;

if(head == NULL)

{

printf("List is already empty.");

}

else

{

toDelete = head;

head = head->next;

printf("\nData deleted = %d\n", toDelete->data);

/\* Clears the memory occupied by first node\*/

free(toDelete);,

**}**

**}**

**3) Write a function"delete\_end" for deleting a node from the end of the linked list.**

void delete\_end,()

{

struct node \*toDelete, \*secondLastNode;

if(head == NULL)

{

printf("List is already empty.");

}

else

{

toDelete = head;

secondLastNode = head;

/\* Traverse to the last node of the list \*/

while(toDelete->next != NULL)

{

secondLastNode = toDelete;

toDelete = toDelete->next;

}

if(toDelete == head)

{

head = NULL;

}

else

{

/\* Disconnect link of second last node with last node \*/

secondLastNode->next = NULL;

}

/\* Delete the last node \*/

free(toDelete);