

23/9/2020

ADS

Pragat Patel N.

BRM/7CS062

Insert front (head, data)
node new = new node()

new->data = data

new->ptdiff = head

if (head != NULL)

head->ptdiff = head->ptdiff XOR new

head = new

return head;

Insert rear (head, data)

node new = new node()

new->data = data

if (head == NULL)

new->ptdiff = NULL

return new;

temp = head, prev = NULL

while (temp != NULL)

next = prev XOR temp->ptdiff

prev = temp

temp = next

prev->ptdiff = prev->ptdiff XOR new

new->ptdiff = prev

return head;