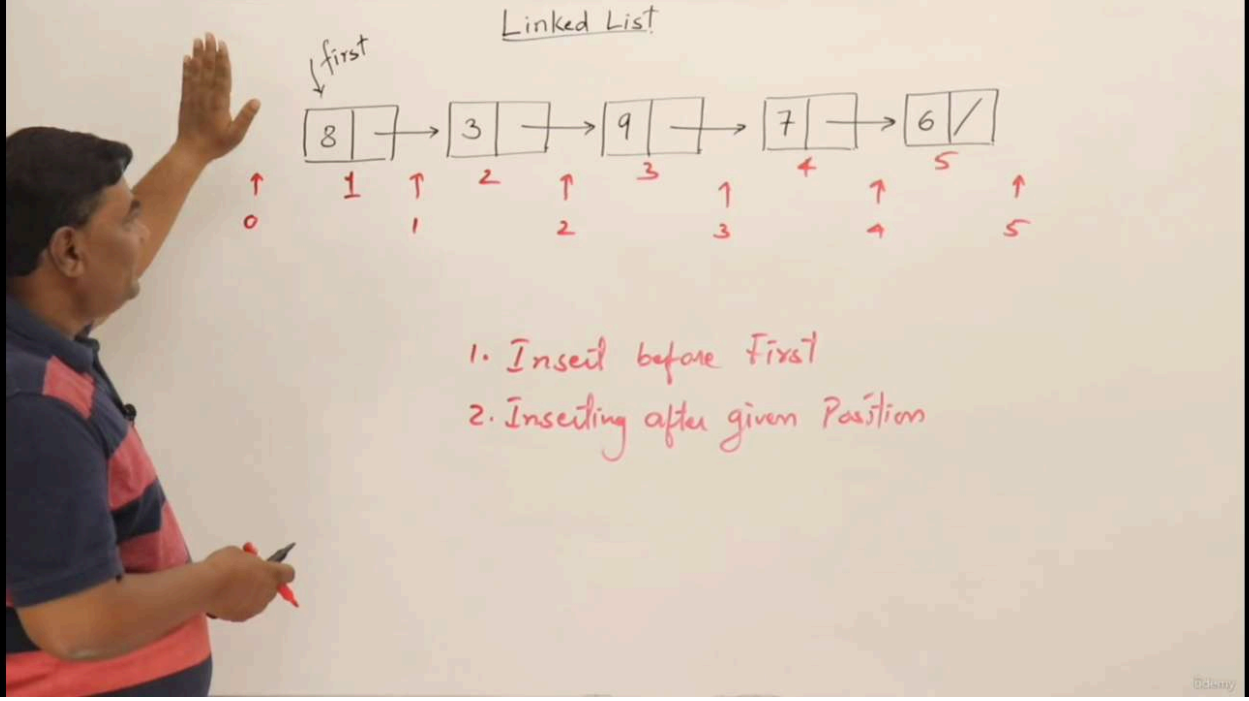
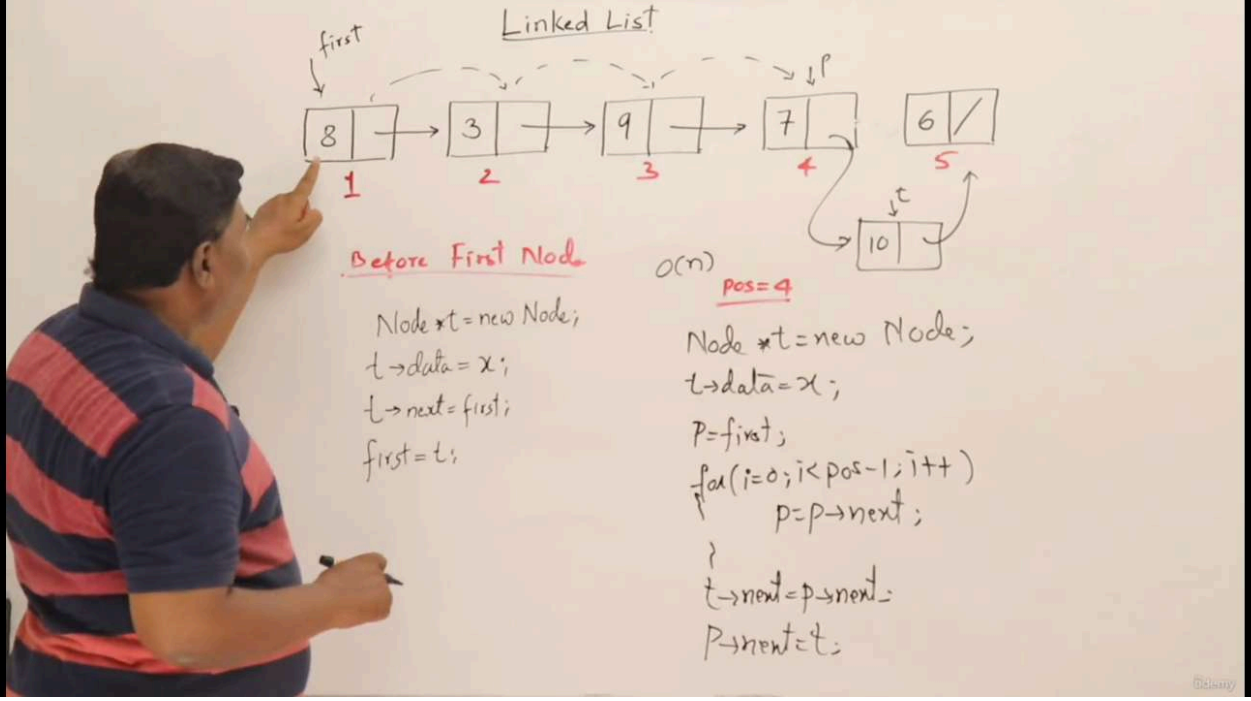
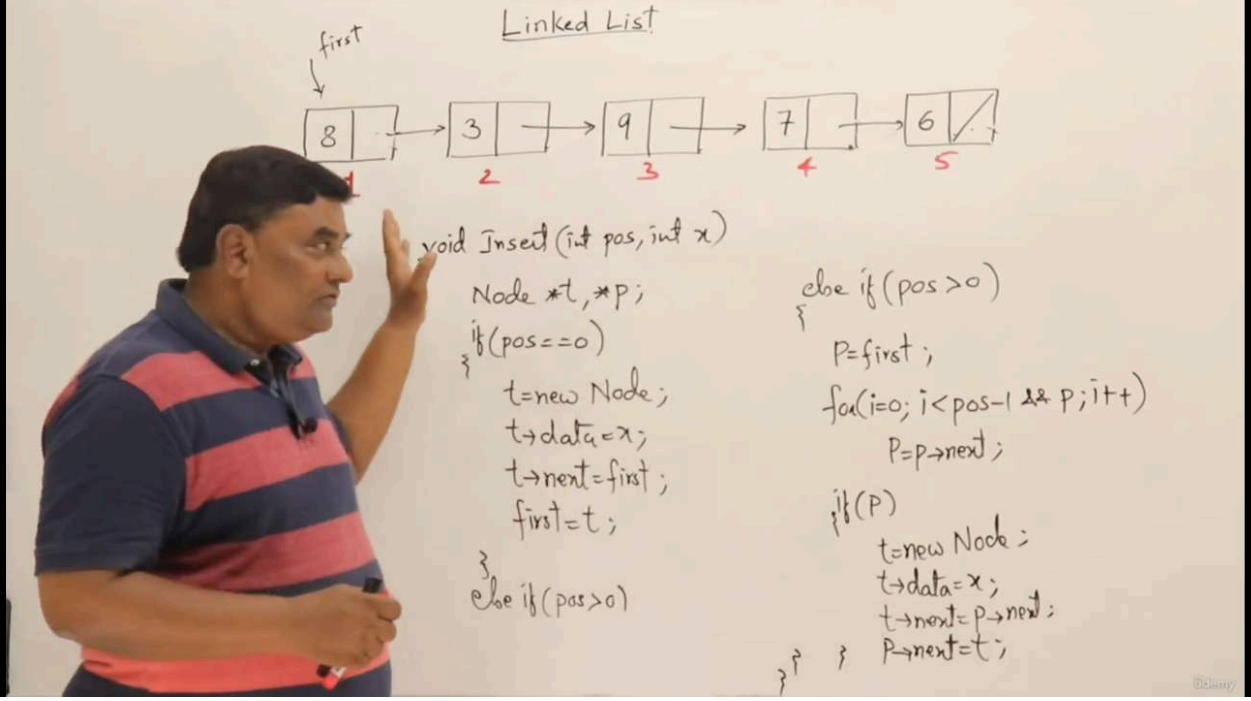

Linked List
first
8
3
9
7
6
1
2
3
4
5
0
1
2
3
4
5
1. Insert before First
2. Inserting after given Position


Linked List
first
8
3
9
7
6
1
2
3
4
5
p
t
10
Before First Node
Node *t = new Node;
t->data = x;
t->next = first;
first = t;
O(n)
pos=4
Node *t = new Node;
t->data = x;
p = first;
for(i=0; i<pos-1; i++)
p = p->next;
t->next = p->next;
p->next = t;


Linked List
first
8
3
9
7
6
1
2
3
4
5
void Insert(int pos, int x)
Node *t, *p;
if(pos==0)
t=new Node;
t->data=x;
t->next=first;
first=t;
else if(pos>0)
else if(pos>0)
p=first;
for(i=0; i<pos-1 && p; i++)
p=p->next;
if(p)
t=new Node;
t->data=x;
t->next=p->next;
p->next=t;