

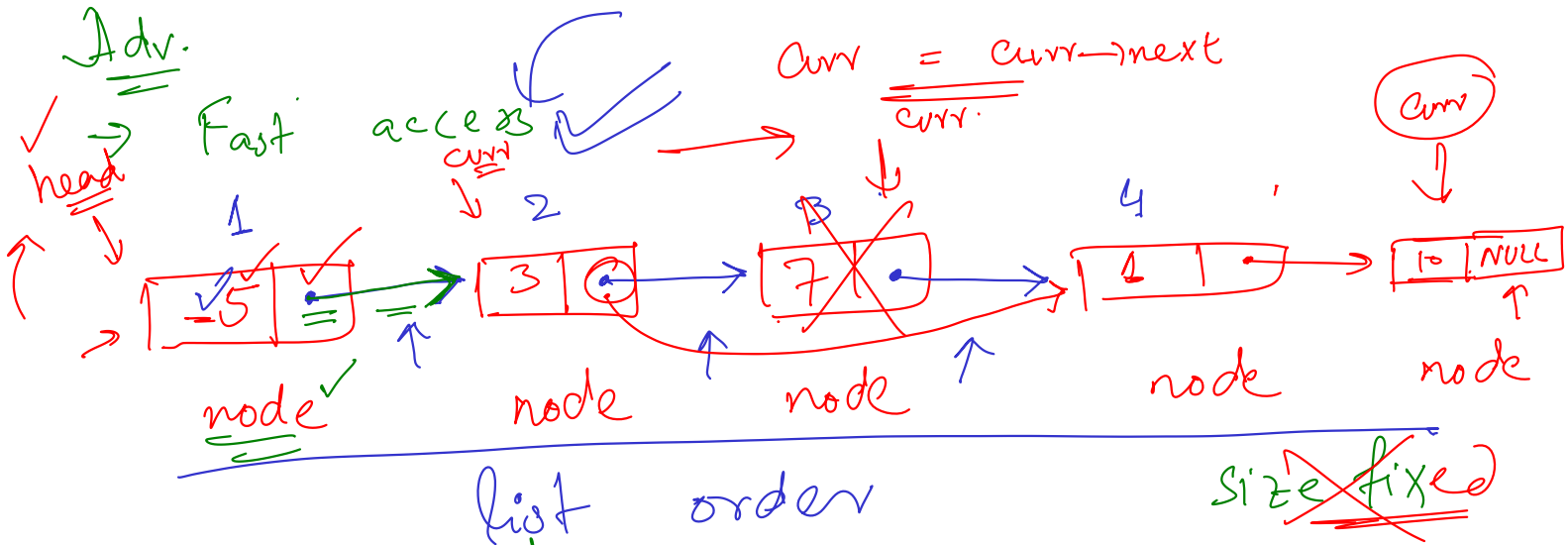
List

Array
limitation:

→ size cannot grow

Adv.

Fast access



```
class node  
{ public:  
  int data;  
  node *next;
```

node(int val)

```
{  
  data = val;  
  next = NULL;  
}
```

```
};
```

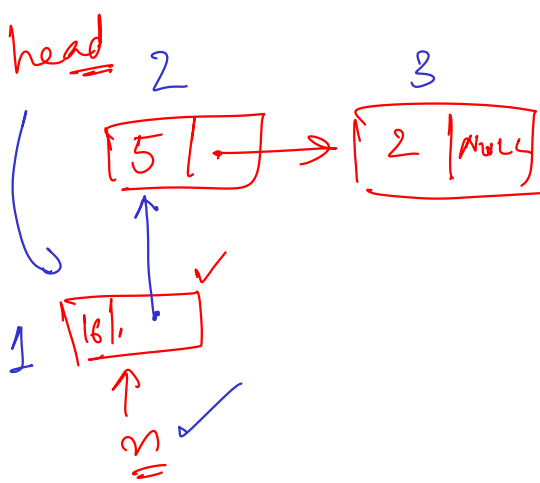
node *n = new node(4);

n → [4 |]

n1 → [2 | NULL]

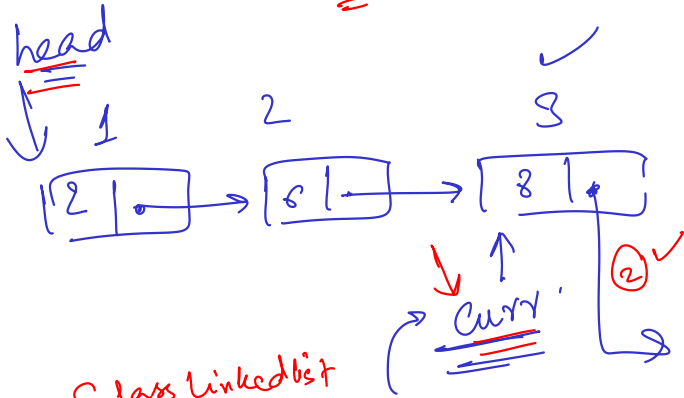
node *n1 = new node(2);
n → next = n1;





size = 2 3

node *n = new node (16);
 n → next = head;
 head = n;



class Linklist

{ private:

node *head;

int size;

public:

Linklist()

{

head = NULL;

size = 0;

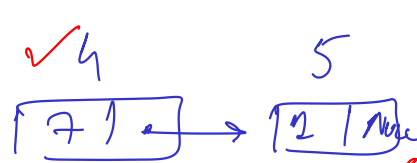
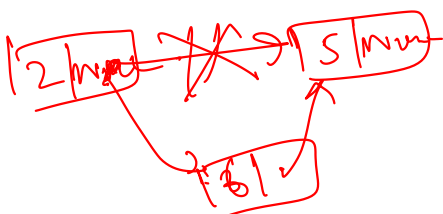
}

};

};

, size = 1

head = ~~NULL~~



size = 5 6

node *n = new node (9);
 n → next = curr → next;
 curr → next = n

void insert (int val, int pos);

linked list l;

insert (2, 1);

insert (5, 2);

insert (6, 2);

remove()