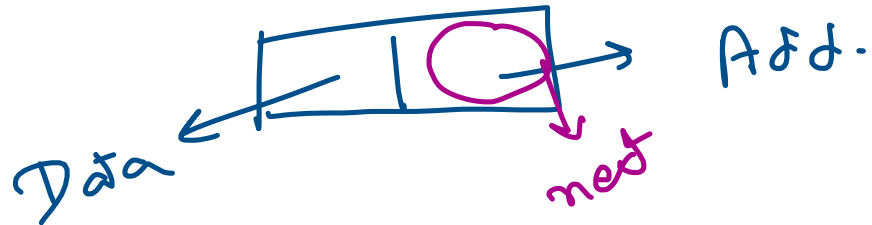


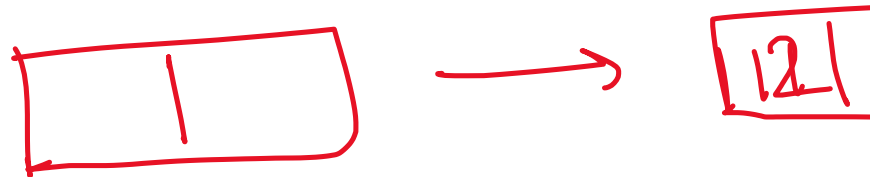
① Empty node → (Data)



```
class node {  
    int data;  
    node next;  
}
```

//

② Node (data) val. Insert



```
class node {
```

int data;

node next;

// constructor.

node(int ¹²~~val~~) {

this.data = 12

} this.next =

main() {

12

```
package linkedLists;
```

```
class node{
```

```
int data;
```

```
node next;
```

```
//constructor
```

```
node(int val){
```

```
this.data = val;
```

```
this.next = null;
```

```
}
```

```
}
```

```
public class linked_list_codes {
```

```
public static void main(String[] args)
```

```
{
```

```
// TODO Auto-generated method stub
node head = new node(12);
System.out.println(head.data);

}

}
```



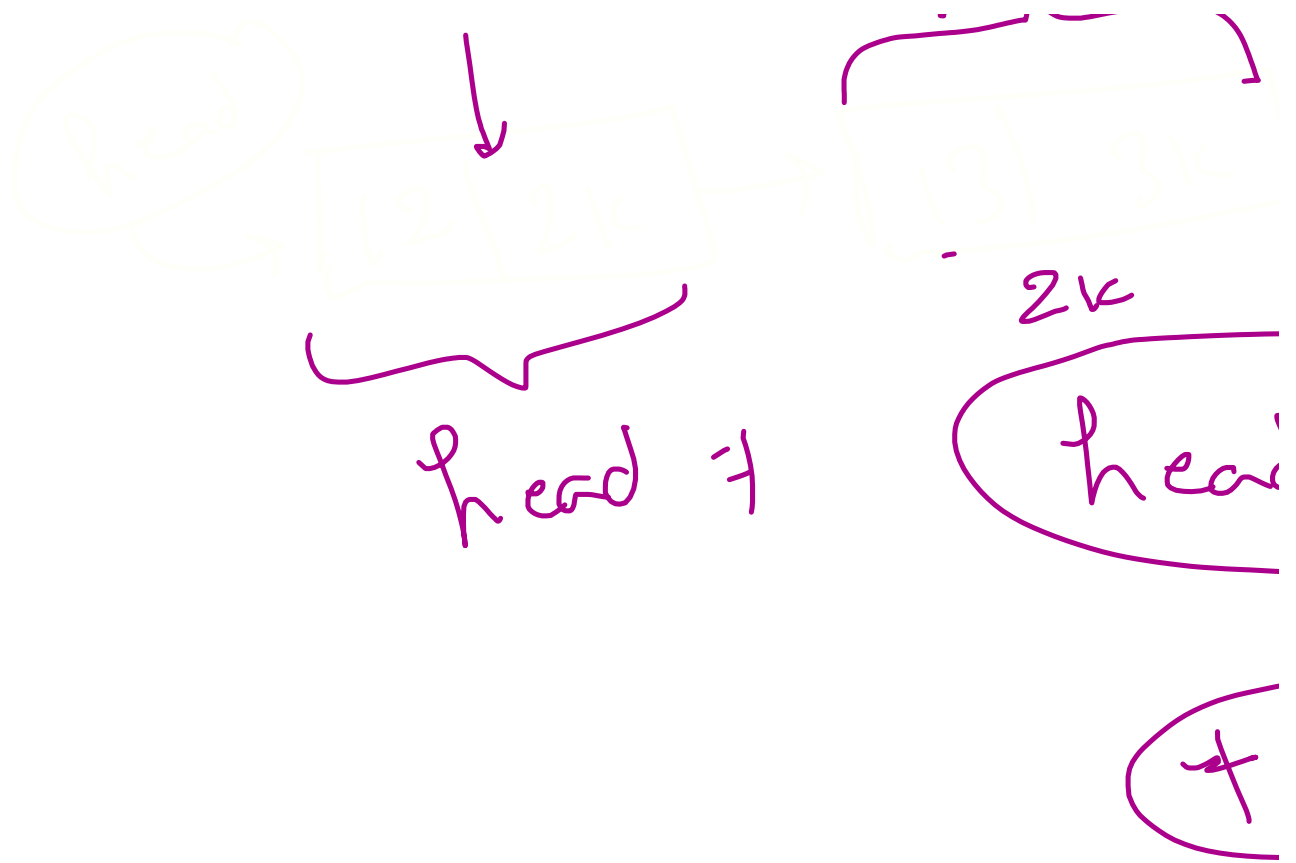
new node.

| | |
|----|------|
| 28 | null |
|----|------|

nn.data = 28
nn.next = null

- ① new node
- ②

head not head.next



traverse

node

wh

package linkedLists;

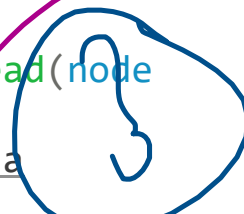
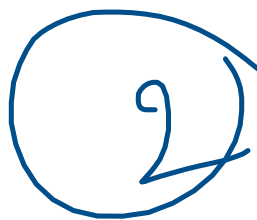
class node{
int data;
node next;

//constructor

node(int val){
this.data = val;
this.next = null;
}
}

public class linked_list_codes {

public static void insertAtHead(node
head,int val) {
//task1 : new node create kana



```
node newnode = new node(val),
```

```
//task 2: newnode ke next mein head  
dalna
```

```
newnode.next = head;
```

```
//task 3: update head
```

```
head = newnode;  
}
```

```
public static void traverse(node head)  
{  
    node temp = head;  
    while(temp != null) {  
        System.out.print(temp.data + " ");  
        temp = temp.next;  
    }  
}
```

```
public static void main(String[] args)  
{  
    // TODO Auto-generated method stub  
    node head = new node(12);
```

```
    insertAtHead(head,11);  
    insertAtHead(head,10);  
    insertAtHead(head,9);  
    insertAtHead(head,8);  
    insertAtHead(head,7);
```

```
    traverse(head);
```

```
}
```

```
}
```



```
package linkedLists;

class node{
    int data;
    node next;

    //constructor

    node(int val){
        this.data = val;
        this.next = null;
    }
}

public class linked_list_codes

public static void insertAtHead(
head,int val) {
    //task1 : new node create karna
    node newnode = new node(val);
```

//task 2: newnode ke next meir
dalna

```
newnode.next = head;  
//task 3: update head
```

```
head = newnode;  
}
```

```
public static void traverse(nc  
{  
node temp = head;  
while(temp != null) {  
System.out.print(temp.data + "  
temp = temp.next;  
}  
}
```

```
public static void main(String  
{  
// TODO Auto-generated method  
node head = new node(12);
```

```
insertAtHead(head,11);  
insertAtHead(head,10);  
insertAtHead(head,9);  
insertAtHead(head,8);  
insertAtHead(head,7);
```

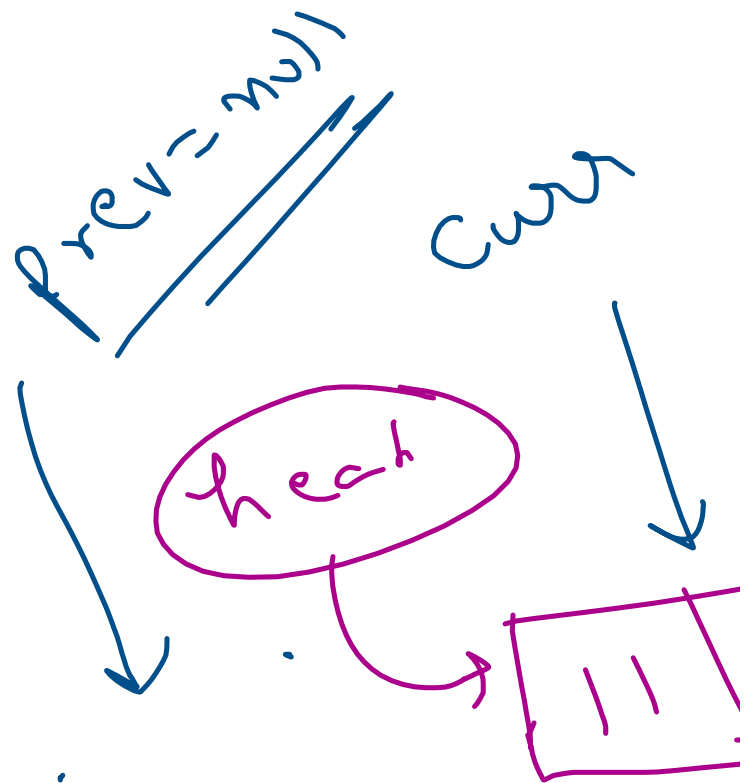
```
traverse(head);
```

```
}
```

```
}
```

Handwritten signature

Insert At end

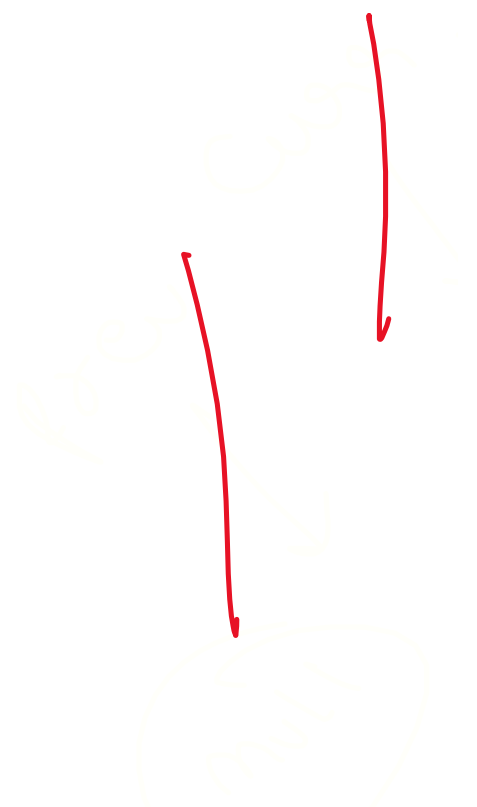


Insert

head
newnode.







✓✓

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