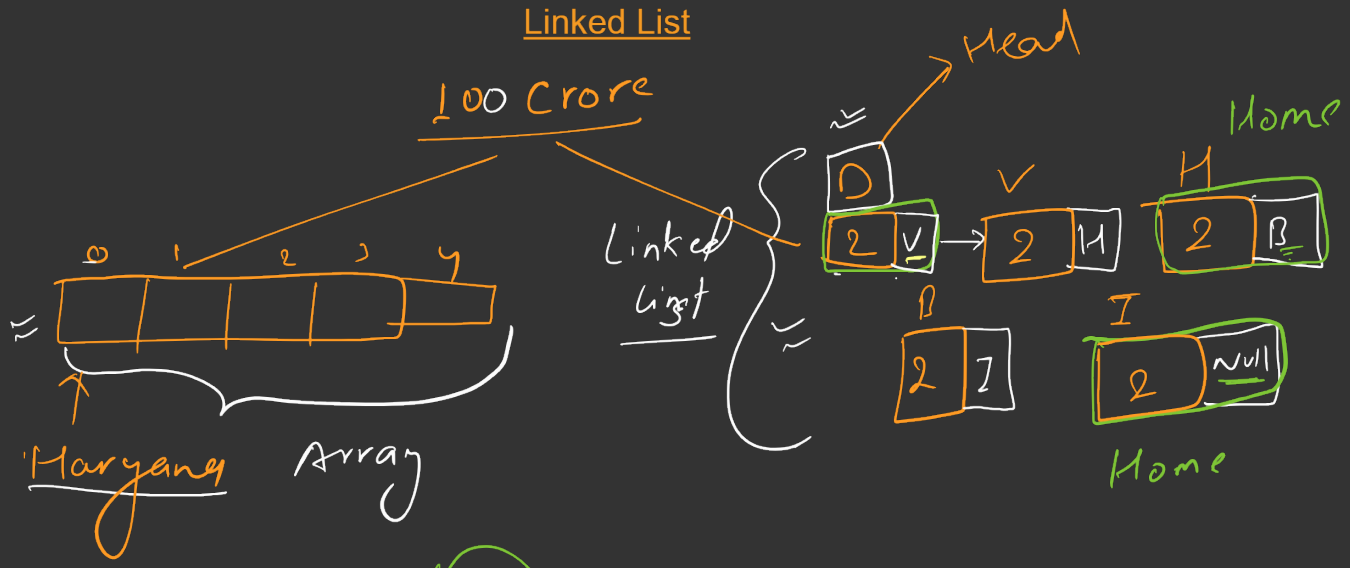
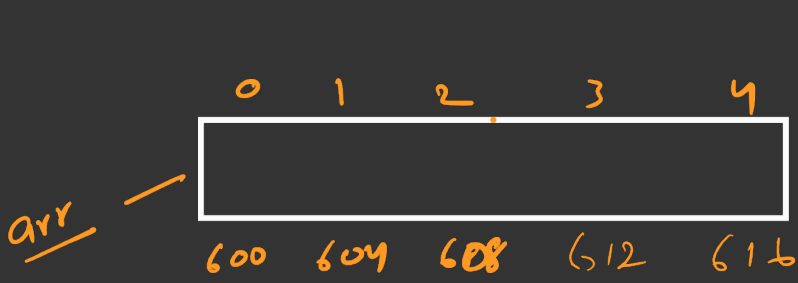
# Linked List

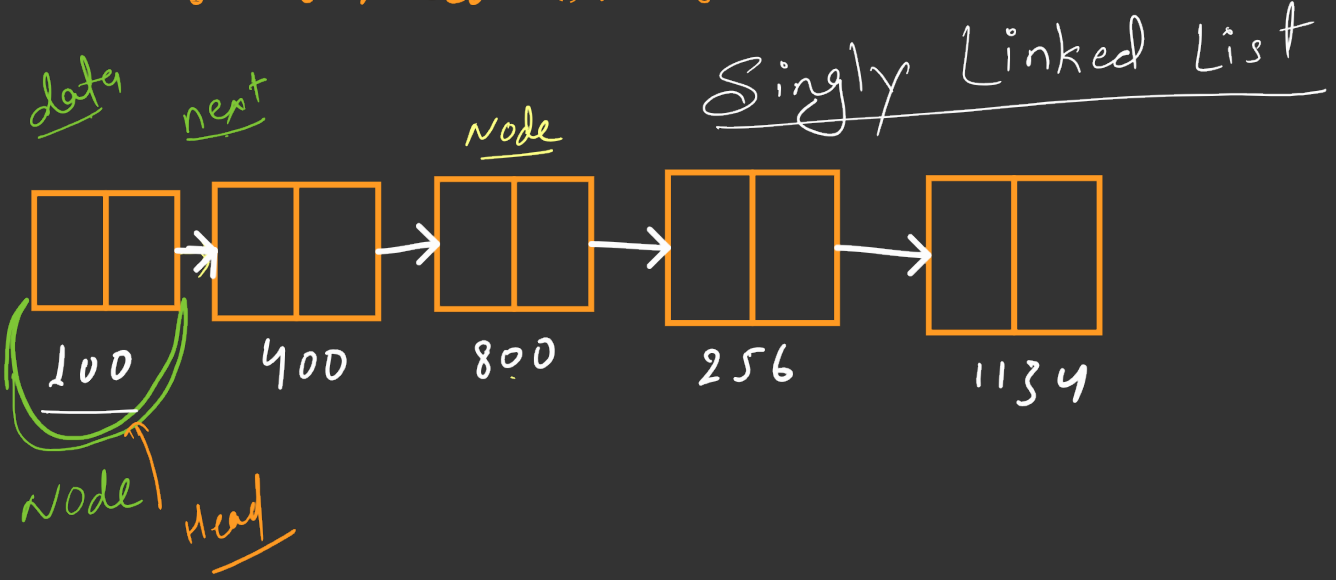



IP add : 162.192.0.1

Made with Goodnotes

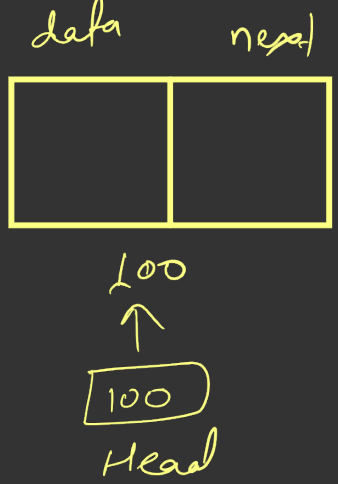







Made with Goodnotes

```
Class Node {
  Public:
    int data;
    NODE *next
    NODE(int value){
      data = value;
      next = NULL;
    };
int main() {
  NODE *HEAD;
  HEAD = new NODE(8);
}
```



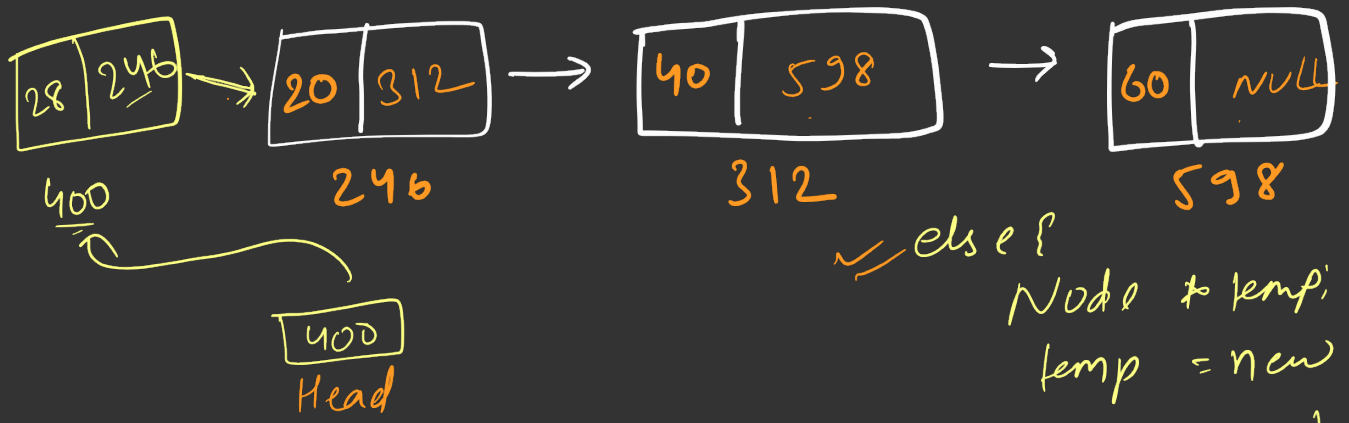

Made with Goodnotes

Insertion
Deletion
Search
Update

Made with Goodnotes

# Insertion

- Starting
- End
- Middle

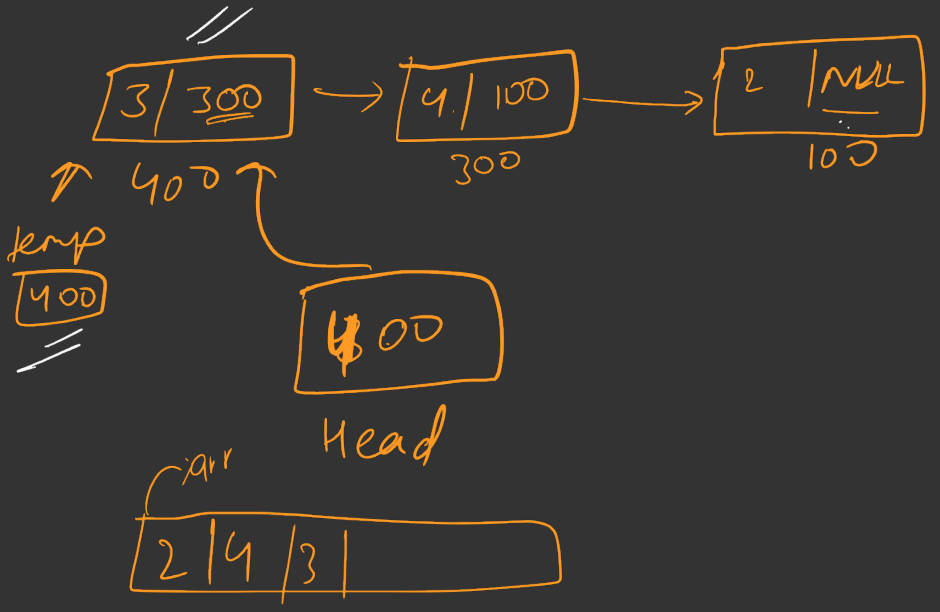



```
else{
    Node * temp;
    temp = new node(28)
    temp -> next = head;
    Head = temp;
}
```

Made with Goodnotes

```
int main() {
    Node * Head;
    Head = NULL;
```

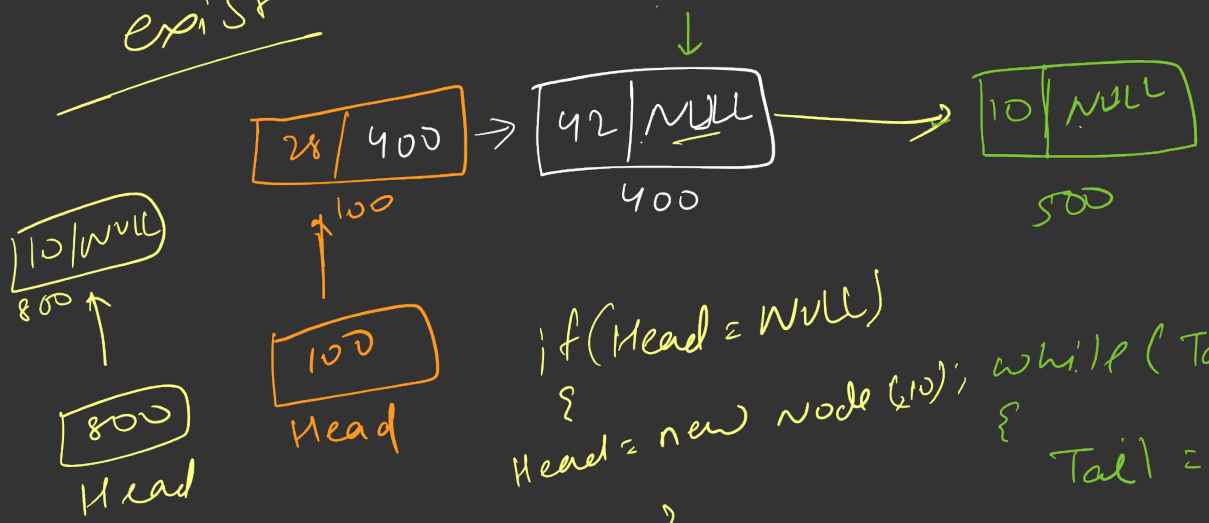
```
for(i=0; i<2; i++){
    if(Head == NULL) {
        Head = new Node(arr[i]);
    }
    else {
        Node * temp;
        temp = new Node(arr[i]);
        temp -> next = head;
        Head = temp;
    }
}
```




```
Node * temp = Head;
while( temp != NULL) {
    cout << temp -> data ;
    temp = temp -> next;
```

Made with Goodnotes

exist




```
if(Head = NULL)
{
Head = new node(10);
}
tail -> next = temp;
```

```
while(Tail -> next != NULL)
{
  Tail = Tail -> next;
};
Node *temp;
temp = new node(10)
```

Made with Goodnotes

Made with Goodnotes