

insertion / Deletion in Linkedlist

O(1)

$O(n)$ Notation : complexity of the code/computer

for i in List:
print(List[i])

$O(n)$

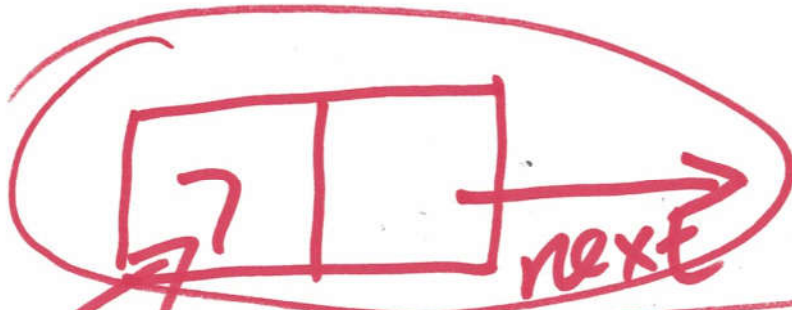
for i in List[:]:
for j in List[:,j]:
print(i,j)

$O(n^2)$



②

data 7, 'L'



```
class Node:  
    def __init__(self, data):  
        self.data = data  
        self.next = None
```

```
newNode = Node()
```

③

class LinkedList:

```
def __init__(self):
```

```
    self.head = None
```

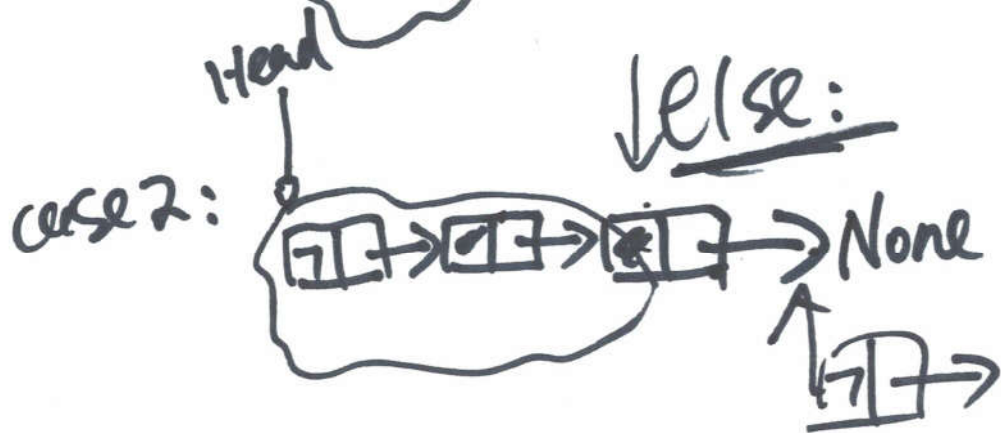
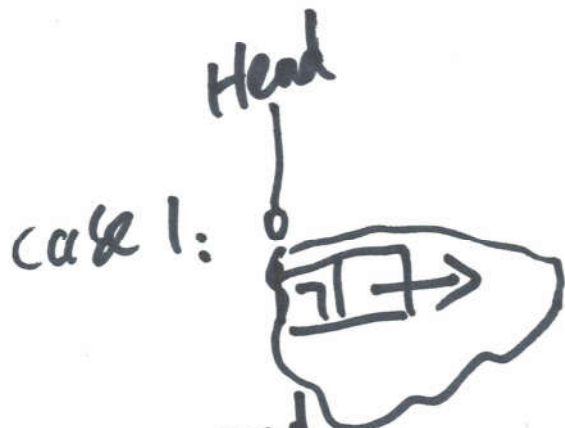
```
def append(datadata):
```

```
    newNode = Node(datadata)
```

```
    if if self.head == None:
```

```
        self.head = newNode
```

```
    return
```



(4)

else:

lastNode = self.Head

while lastNode.next != None

lastNode = lastNode.next

lastNode.next = newNode

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