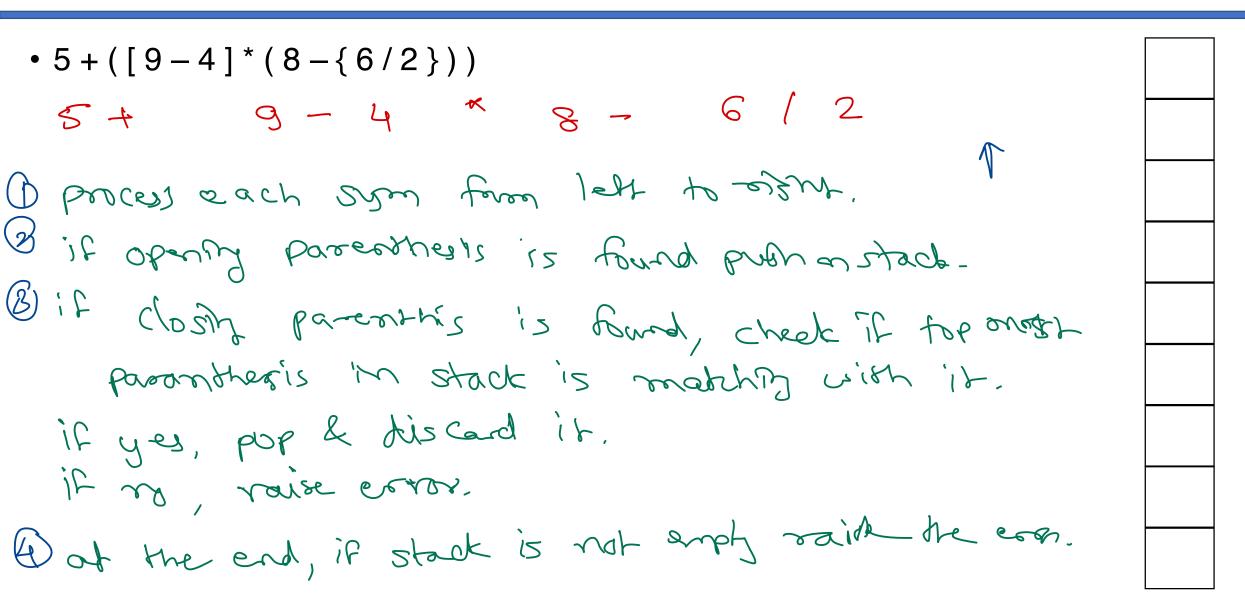


Data Structure & Algorithms

Sunbeam Infotech



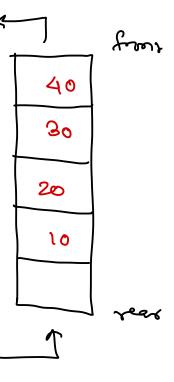
Parenthesis Balancing





Stack using Queue

```
class my-stack ?
    queue <in>> 9:
public.
     void push (int ele) {
         int n= q. size();
         q.pwh(ele);
Ar(i=a; i<n; i++) {
               ele = q.front();
q.pop();
               q.pun (ele);
    wid per () 3
     q.pop();
int peek()?
return q.front();
17
```





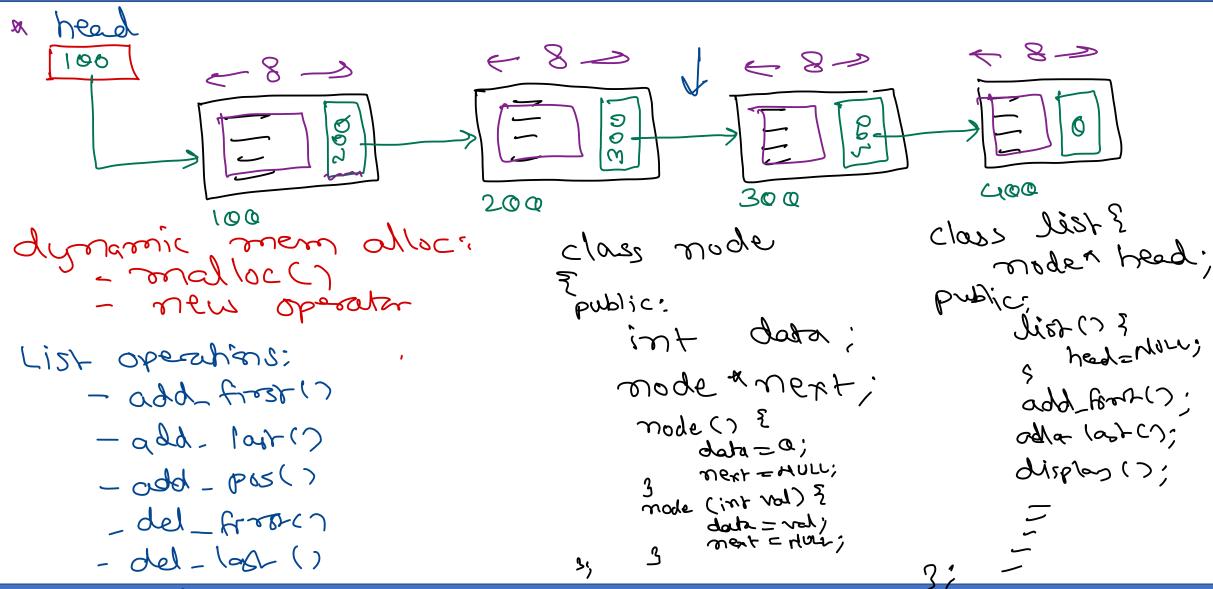


« 20 —)

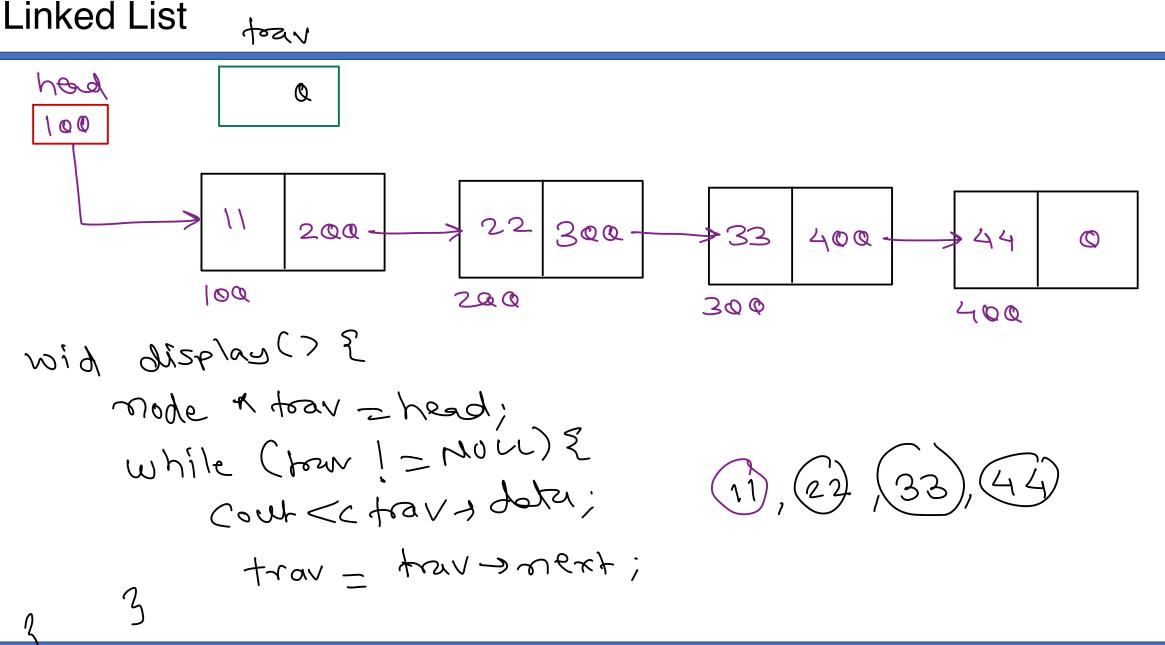
- 1) cannot grow or Strink of sunther (efficiently),
- (2) can lead to reservery wastage (if too big).
- 3 insert & del (in beton) is not efficient.
- D no socieos over heads.
- 2) contisuous allo cation recordo son access. (pointe anothronde)

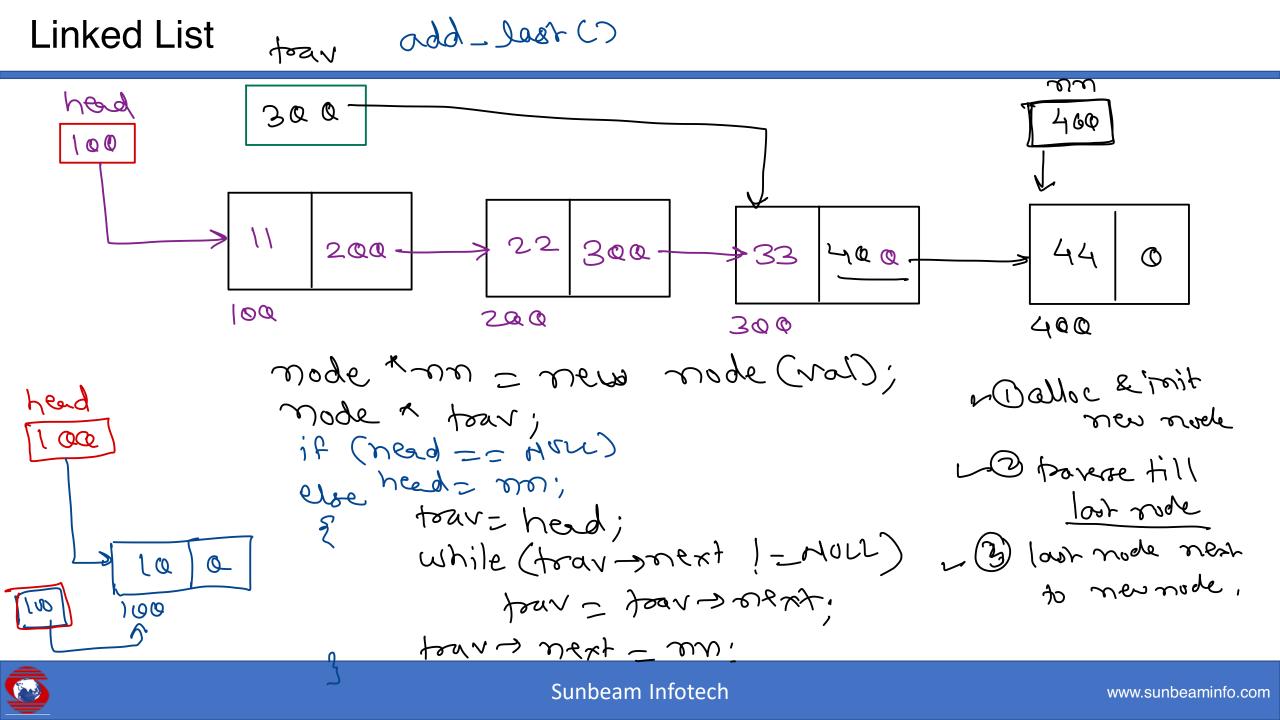


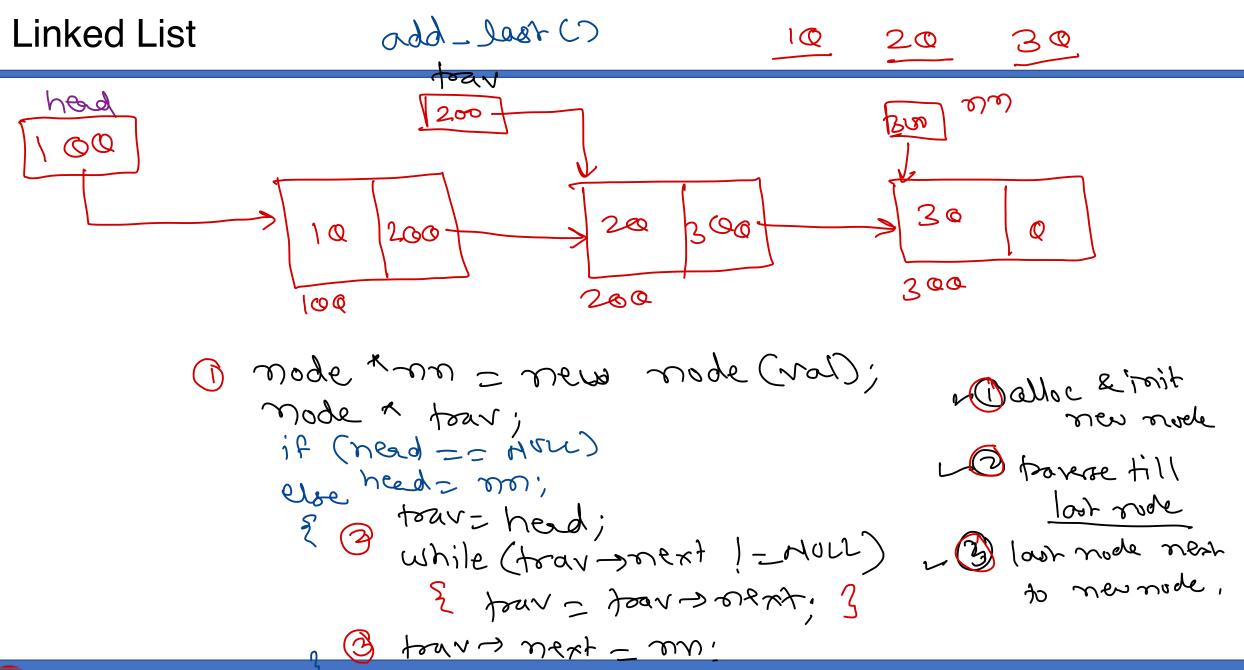
32 pyth.



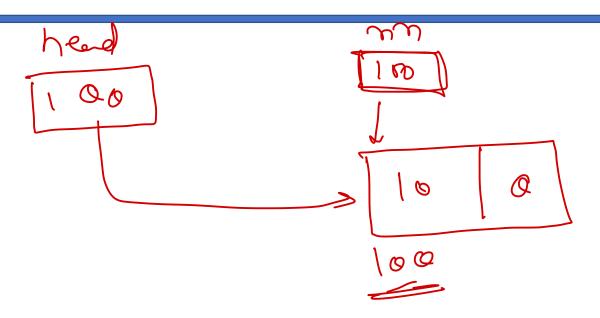






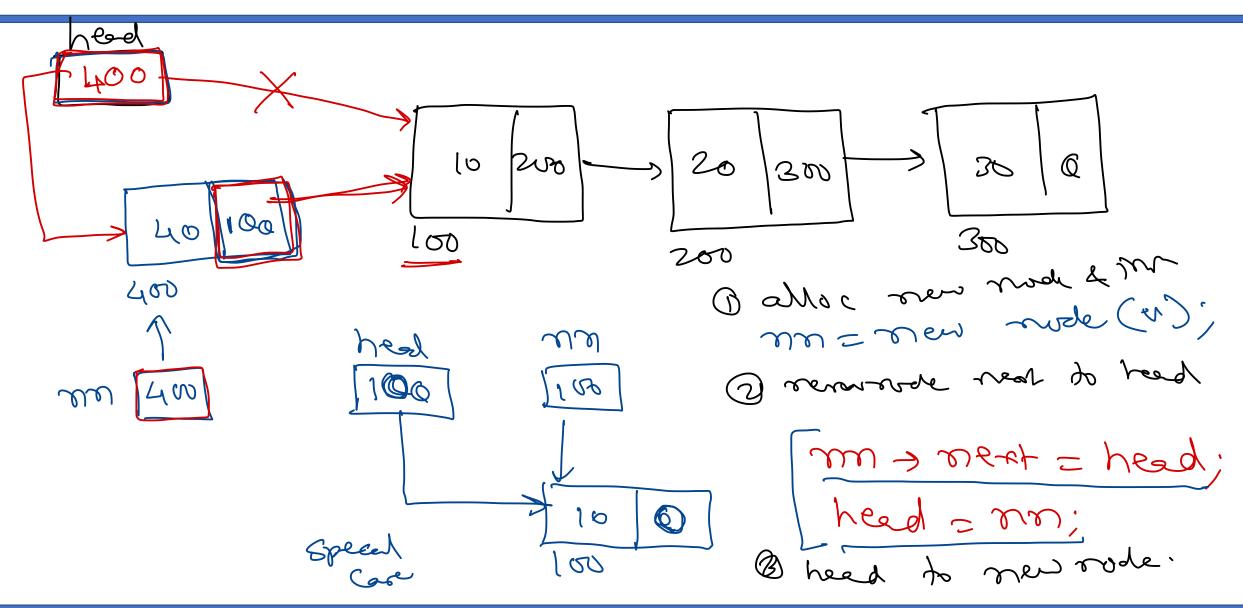




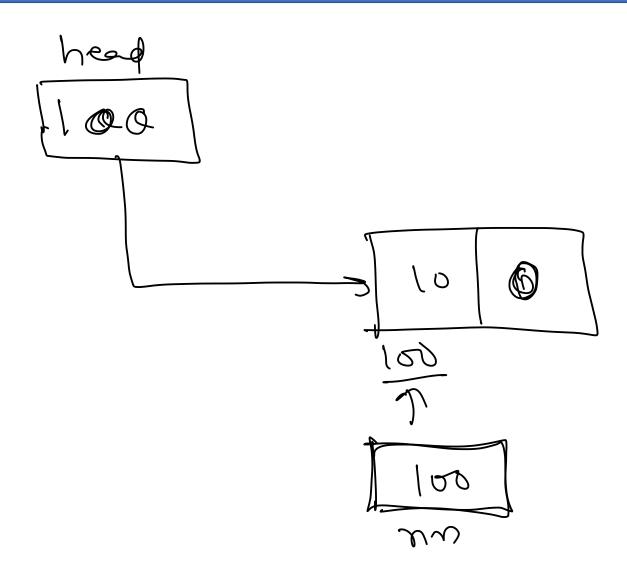


if (hed = 2 Mou) head = no;





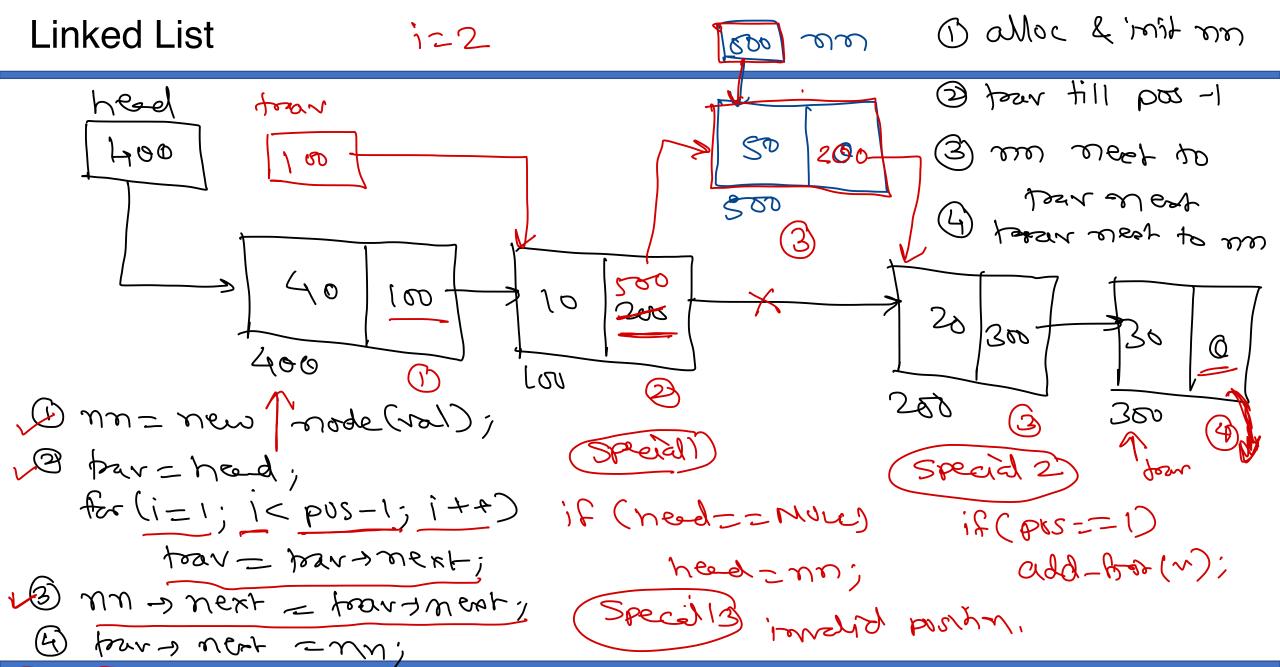






head = mo;







special i)

if (head = = MULL)

head = mn;

special 2)

if (pos ===1)

add Aost (ral);

special 3) imalia pos

toar = head;

foo(i=1; i < pos-1; i pr) {

(foods:

book;

tar = toar solert;

}





Thank you!

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