```
Is work in principal LITO (Lost M first out)
                                                              ∄1 LO
          ADT of Stuck & Asstract Date Type.
         ATI contain data suppresentation or operation on the stack.
                     Poto 1. Space for storing eliminus

3. Top pointen: 7 which
pointing the
topmost climent.
                  Operations
                         1. post (r)
                           3. peek (index)
                            o. petal.mary

Stocktop () -> Ser Knaming What is Topdost

5. is Empty () -> Knaming ampty. Yoku im Stock.

6. is Full () -> Knaming ampty.

Pull R

Posh (So)
              Pull 18 Push (30 Fush (30) 17 Push (30) 17 
                                       20 2
16 1
              Peck ( i= 1) => 16 ~ 5
                      () Looking the value at indivi
                 Implifulchtating.
        It is alone by using two storing data structure:
                      1> Array
                        3 Linked list .
            First Understand Scoveture Klass
                     Lypake structure or Class first >
        Hirebole (Instrum) using namespace std; // Implementation by Dynamically.
           Class Stack &
       bool IsEmpty(){
    if (top==-1)
    return true;
    return false;

Is empty
                                                                                              Push
                                   return s[top--];
  );
11 $ MC Call space variable orbitation class the wadon top or .
                       Void display (Stacts St) {

gor (inti-0) i <= St-top; H1) {

Lost << St-SLIT << "; }
}
  int Main() {
                  Stack st (moutsize); // Mare of is object st push(5);
                       I top top: t
               2) Linked List.
West of in this wie west
      Stack using LL, in the ric make top as a head.

In this girst poin closured get into last male h.

The top | that pesh | pep | peek is in the head pointer.
                                                                                                                                                                                               (AOP. 8;
                                                                                                                                                                                          #+10at= top;
   Mile: Poshl) recognism when a note at first positive propel) we con very delete a prost Element in LL
                                                                                                                                                                                                   107:1;
```



```
1 (70p== NULL)
                                                                                                                                                                                                                                                                           Structur/
                                                                                                                                                                                                                                                                           Ches Mode &
                                                                                                                                                                                                                                                                     Ches Made of

Mot dota;

Mos ( Not vo) 1 Has-sales aval;

Mos ( Not vo) 2 Has-sales aval;

Mos ( Not vo) 3 Has-sales aval;

Mos ( Not vo) 4 Has-sales aval;

Mos ( Not vo) 5

Mos of none made ( von);

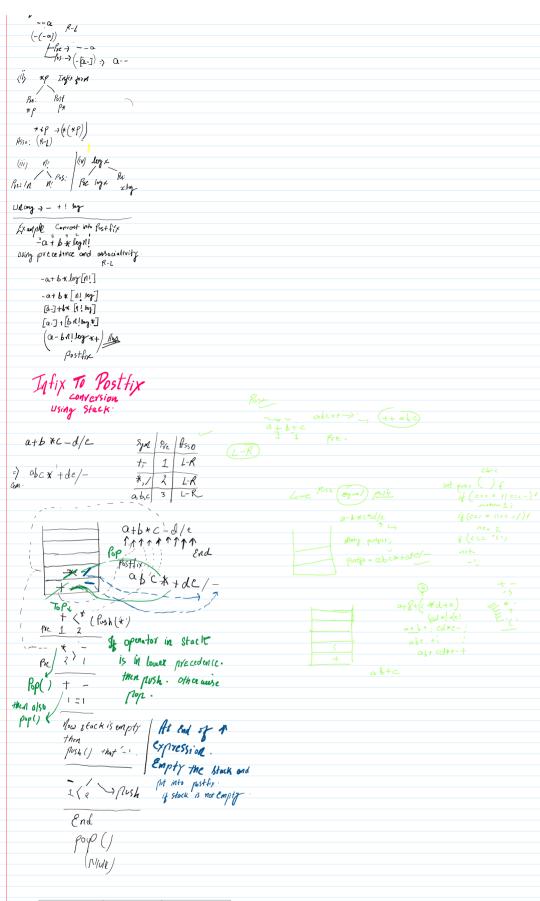
                                                  Node *tenew Node.
                                                    1(t==NULL)
                       Infix to Postfix Convension.
       2) What is Postfix.
2) Hy Postfix.
3) Procedence.
4) Manual Commission.
          Their one Notation:
                   1) Telix: operand operator operand.
              2) Poefix: opt opend opend
                                   Postfix: opind opind opt
        of pleis Postfix is mostly used.
                            Symbol Precondence
                          +, - 1

Y, / 2

() J
                          a +(b ×c)
                 mely (a+[*bi]) (14+[*jc*]
                   > (+a*bc) (abc*+)
Hore Josh is same operators

but give lost open more precidence.
  | May 
(II) (atb) * (c-d)
           profix: [tab] × [-cd] [abt] × [cd]
                                                                                                                                    ab+ cd-*
                                         * +ab-col
                             abc++
                                                                                                                                   (0xb)c+
((axb)+c)
                                     a (btc)+
                                                     (a+(b+4))
                                Associativity
 (i) a+b+c
(2-R
(2+b)+c
                         ((a+b)+c)
          (i) andre
           BL (an(bac))
        Duany Offerator
     1) -a -> Precendence 4
                                              -) Asso R-L
```





Symb	StacK	Post-fix
a	т¥ -	٥
+	+	a
ь	+	ab
*	* +	ab
C	* +	abc
_	_	alb C* +
d	_	abc*4d
/	/-	abc*+d

Data structure Page



_	70 1	wor
_	_	alb C* +
d	_	abc*4d
/	/-	abc*+d
C	/-	abc*+de
-		abc*+de/-

Conclusing the An the grabols in stack which is greater or equal than App().

* If the operator in stack is lower precedence or empty than fish().

Data structure Page



