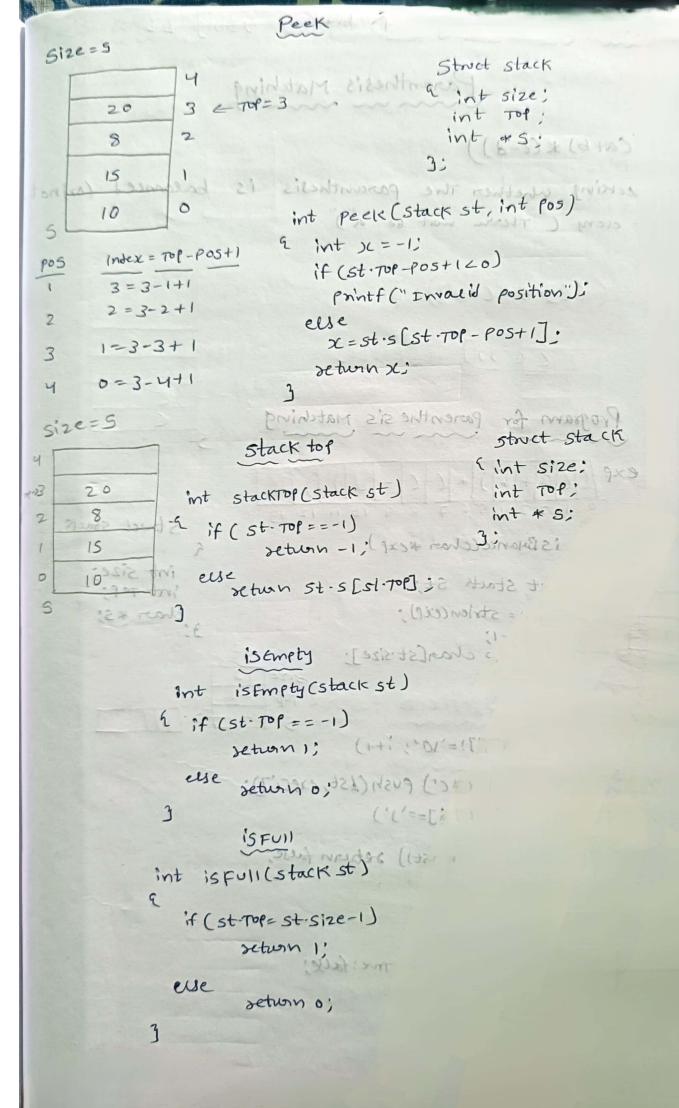
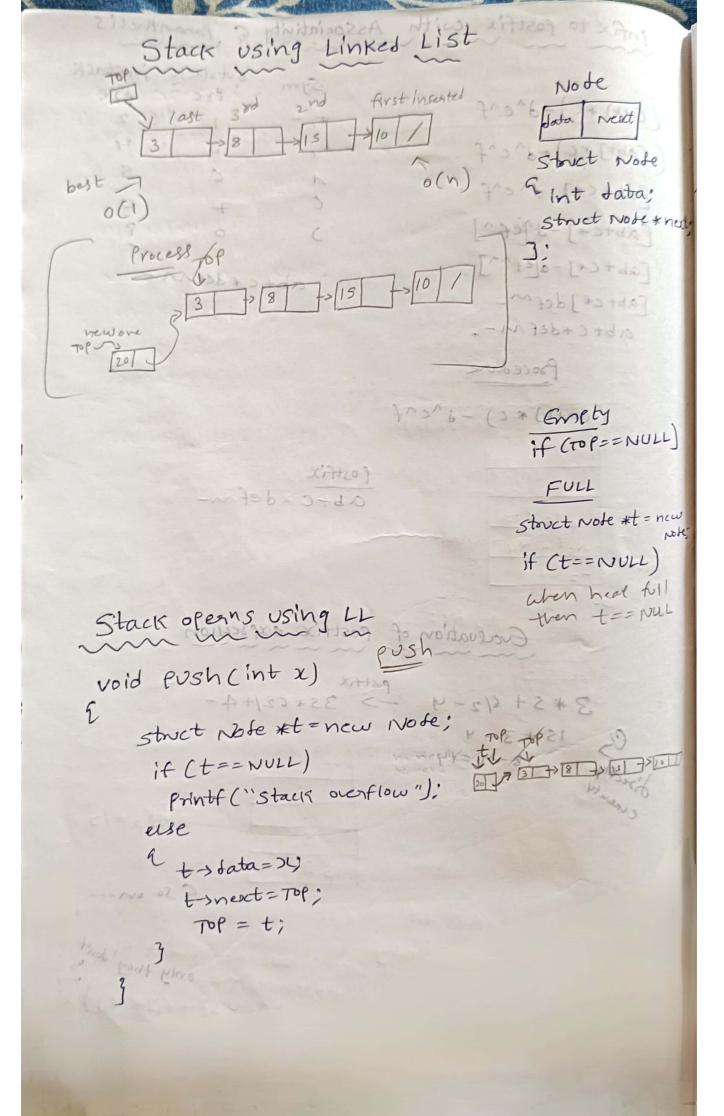


```
push
          20
               4 top
          7
         8
               1 6 701
                       TOP++
               dements got so
             -16 TOP TOP++
  pushe) -> inserting an ele
              in stack.
$ 50 before insertion check whether the stack is full (or) not
   if it is full, we cannot insert it if it is not full,
                                         S. isempty ()
   I can increment top pointer.
                                           6. is Full ()
                      STACK Using array
                                                struct stack
   512e=5
                                               int size;
              Struct &
                                                  int TOP;
                 void push (stack *st, int x)
                                                 int *s!
                if (st->ToP==st->size-1)
    5
                        Printf ("stack overflow");
                     else
                     a st > TOP++;
                       st->s[st->T]=X;
                  3
                                            Orion Street stack
   Size=S
                        Pop
                4
                                             Struct
                3
                                                     int *5;
                       : Eprintf (" Enter size of stack");
                            Scant ("1.d" & st-sizety
         15
                10 [st-size] 15 pt-10
         10
                            int pop (stack *st) 10 12
    5
             C-TOP=1
                               int > =-1;
                              if (st->TOP == -1)
                                Printf ("stack underflow"); 3512
           11-=-9010 71
                              euse
                              1 ge = st->5[st->701);
                  FULL
                                  st-> Tol - ;
           17 (TOP == 51-
                              seturn x)
```





```
TOP TOP
    stut Note *P;
                                  it will be deleted
     if (TOP == NULL)
       printf("stack is Emety").
     elle
                                   int is rull ()
      2
         P=TOP;
         Top=Top->next;
                               whole *to new note;
         x = p -> data;
                                    :0=1 : 7=2 tui
         free (p);
                                          free(t):
      zeturn X;
                                         SCENNA 3;
                   peek
-> which takes position a gives whe value at the
  position.
-> if position-> 1 Takes Top value.
              int peck (int pos)
               int X=T: -> no need
                 Note *P=TOP;
                  int i;
               for (i=0; P! = NULL & i < POS-1; i++)
                    P=P->next;
                if (P!=NULL)
                   seturn p->data;
               euse
                   seturn -1;
                     Stack Top
     int stackTOPC )
       if (TOP)
         seturn Top-> data;
      zeturn -1;
```

POP

int is Empty () E seturn 700 ?0:1; (11UN==90) printed ("stackis coneby"). int is Full () ्रीवा - न Tol = Tol > west; struct Note *t = new Note; x=P->data; int = t? 1:0; 1 fee (1); free(t); setion it; seturn Y; stack of code using LL PHF a Nortizon which which PECK Position. Post top of Tokes Top while int pecklint fos) INF X==T: -Mode * b= Lob for (1=0; P) = NULL (x 12 POS-1; 1+1) P= P->next: if (bismorr) saturn p-xdata; 9 248