```
* Write-up
1) (reate a Skiplist Node containing 3 data fields:
                            (in Value
                             (ii) Level
                             (18) SKiplist Mode next [] array
                                  (pointers that store next modes address)
   Create head pointers that points to maximum-level in skiplist and
      Current_max-level variable to tell us what is present max-level.
       (In the beginning (for one note), current_max_level=1).
 3.) Now while investing (value):
                level = tossing ()
                 curry: head
                  for ( nt i= current=max-level; i 7=0; i--) {
                             while ( curry-next[i] !=null) &
                                         if ( courp. value > value)
                                                   break;
                                          chap= chip. next[i];
                     if ( i <= level) ?
                                newnode. next[i]: cushp.next[i];
                                 cushp.next[i] = newnode;
                     3
         tossing ()
                  head = true;
                   level = 0;
                   for (i - 0 to max-level)
                             head = head & randomBoolean
                    IF (head)
                           level + +
                   xeturn level
       11 Tossing helps us determine the level of each node by
            probability. [Referenced from Web]
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Contains (value): [
4.)
              curup= head
              for (int i = cura-max-level; i 7 = 0; i --) {
                          while ( curp, next [i]. 1= null) {
                                        if ( coop.next[i]. value > value) {
                                                   break; 3
                                         of ( curs p. next [i] value == value) {
                                                     roturn true; }
                                         curip= curip next[i];
      delete (value): ?
5.)
                cursp = head;
                for (int i=curs = max-level; i7=0; i--) 9
                              while ( curs next [i] != null) &
                                     if ( cursp. next [i]. value > value) {
                                                break. 3
                                      if (egnals) [
                                               casapinext[i] = curipinext[i]. nex+[i].
                                                break; }
                                        curry = curry next[i];
                                  1
                       curl-max-level voriable, we need not do any
   11 Because
                        to heads (levels).
         manipulations
```