```
# include & icutocanino
# stickeds & stilled it
ensing namestace and; # define mon 10
Appeter stonict hist
                                                    rail record farability
    int data;
    steuct list a next;
 I nak type;
node type upto final, w most (men), wkomplanon);
class Dictionary
I public: int indu,
           Dickionary );
            void insert(int)
            void scarch (ini).
             word dulete eleting;
  5.
Dictionary: Dictionary()
                                                       Lorbid how - Lastinia grant
       intex = -1;
                                                     I Hoha possilant loting
       for ( int i = 0; ic move; i+1)
          mot[i] . NULL;
             bull - Holl!
         y templi) = NULL;
                                                   and with a design ( A complete.
                                                     consideration of the second
void Dictionary: insert (int key)
       index = int (key to max),
      ptr [inder]: (node-type) malloc (size of (node-type)).
       of ( soot lindex) == NULL)
            2001 finden]: pth finden];
            root lindex ) - mext . HULL;
            temp linden ] = pth linder);
               templinder), hoot - inden
                 templinden - ment = prolinden);
```

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```
Dictionary :: search ( int +03)
void
      int flag :0;
       Proden = int ( key to man);
       temp (?nden): 200t [indm);
       whole (templinders)! = HULL)
            il temp finden ] - data == key)
                 cout « "Found";
                   flegs; break;
             else semplinden) - templinden - nont;
        y (flag - 20)
               coute" Not found";
void Dictionary: delete-ele (int key)
       Paden = int (key 1. man);
       templinding: soot linder);
        white (templinder) solata! = key a a templinden)! = MV4)
            ptxlinden): templinden);
                 templinden) = templinden) - next?
        ptalladex) - next = templindex); next;
         cout & temp [inden] - data & " Leleted";
         temp (index) - data = -1;
          templiaden) - NULL; free (templiaden);
 ent maint)
       me ral, ch, n, num;
       Dictionary d;
            coude": Create, a: Senech . 3. Delete; cim > ch;
            switch (ch)
```

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```
couterEnter no of elements to be inserted.
       case 1:
VO
                 cout « Entre dements";
                an >>n;
                 for ( int i-o; cen; it!)
                       un > num;
                       d. insert (num)
                  y break.
                cout « Enter scarch ele";
     case 2:
                 cin >n;
                 d. scouch(n)/
                 cour « "Ensur element to be deluid".
     case 3
                 ein>>n;
                  d. delete_ele(m);
                  breat;
     defauet : cout « Invalid choice";
     y cour « "Enter y to continu";
      cin >> c;
    ) while ( c = = 141);
     silumo;
```

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