```
void add of Ergin
 #include 1stdio.h >
                                     node temp;
#include 2stdlib.h s
typedet stouct node [ distributed stong with the stong stand node * link; ( Asbi- 4 mile ) times

Innels:
                                     illing = Jaily - grot
Inode;
                                     iff (root == NOLL)
node root = NULL;
                                        1001 = formp ;
void add-ut-end ()
1 node * temp;
  temp=(node *) malloe (sizeof (node));
 printf ("Enter the node element In")
                                        g.mot = 1001
 scanf ("td", & temp -> duta);
temp -> link = NOLL.
of (roof == NULL)
                                            () discoultain
  1 roof = temp;
                                             noch *
                                             . 1-001=q
 node *p = rood;
while (p->link. = NULL)
                                            14) 31 idy
  \rho = \rho - \lambda link;
                                      ; acol 5-9 4
  p -> link = temp;
```

```
Report of Both
  void add-at-begin ()
                         and toler is south
  node +temp;
temp = hode * malloc (size of (node));
 printf ("Enter mode element In");
 scanf ("/-d", &temp->dafa);
temp -> link = null;
                               " 1 TON = 1001" spor
 if (root == NULL)
                               (3 portue blog blog
   roof = temp ;
                                   contribon?
else
temps -> link = root assis sollows (* soon) qual

voot = temp; (relative qual & b) ) have
                     orinit ("Enion the noise elemen
                     can ( ( /d " ) & temp - racka);
                             (== NOOL == 1001) 7
 int length ()
                              cars = 2001
  node *p.;
   p=rood.;
                               pode en encod
   int i=0;
while (p!= NULL)
                              1 · daile - a) s'idos
  f i++ j
P=p-> link;
                                12016 - 1 = 9
                               polink : rand.
```

```
return L;
         void add- after CD &
                 node *p, *temp;
             int loc, i= L;
            printf l'Ententhilocation ");
           scanf ("/d", dloc);
          if (loc > length))
             print ("Invald ocation, the list has I d nodes", lengthell,
    else
           p =root;
         while (illoc)
            p=p->lint;
                                                                                                                                                              The state of Alphon
                   1++;
  temp = (node + )malloc (size of (node));
 printf ("Enter the node element \n");
scan f ("/d", &temp ->d ata);
    temp -> link = NULL j
                                                                                                                                                                                            Carrier of the state of
     temp -> link = p -> link;
                                                                                                                                                                   The state of the s
       p -> link = temp;
                                                                                                                                                                                       Land No April
                                                                                                                                                                                                                      1. 1. 1. 2.2.1.
```

rold deletec) 2, (2 mitto blo long int loc; node 4/mp; print f [Enter the location of node to be delete & in]. scan f ('td ' Wloo); if (loc > length ()) " not sool and when I have printf("There is no such node in"); temp = root; delinition and delinition than temp -> link; fru(temp); : 4n3 <-- q = q 1. node *p=root, *q; int 1=1; p = p -> link ; () tomand describe () film ()d . (deroy >d ata); 9 = P->link; 1 440/4 = 3/11/1 = 000/1 -> link = 9-> link; especial and a property 9 - Link = NULL . (girls a sind fre (q);

```
void display()()
if (temp = = NULL)
  printf ["No nodes in the list In "); soud
                         (1) Atom = Longth ()
 Else mole (femp! = NULL)
printf ("-/d \n", temp -> data); doord
temp=temp=>link; dour, on think; the
                                         return 6.
in main ()
iat op, len;
 while (1)
Exint fl" Enter the Operation m1 Add in begin m2 add
         at end In ");
printf ("3.Add after a nodeln 4. Deletenode In 5 - Display
 in 6. length of list in 7. Exit in");
  scan $ ("/d", lop);
 swith (op)
 (asc!: add.at.begin();
break;
case 2: add-at.end();
       break :
```

My desposit Pl case 3 : add- & fter(); break. y Acor = gms + sh (as, 4: deletec); (110 N == qm.) break; break i display (); malf L'No nodes in case 6: lin=lingth () print f (the length is %d In ", len); break; case 7: enit (0) defaul + : print f ("No such Operation in ") return 0; 100,100 (1) sligter wint flo Enter the Speciation MI -Add in begin in 2 and Trotte (" 3. Flood af ter a mode in 4 Jelote node in 5 - Display. Ma 6. length of list to 7 Exit to " 1) sean ft. /.d" mep); lase 1 . reld or orgin () 1450 2: ado -ar code),