```
File
          Edit
                Search
                        Run
                              Compile
                                      Debug
                                              Pro ject
                                                       Options
                                                                  Window
                                                                           Help
                           \TURBOC3\DHANYA\SINGLYLI.C
                                                                          -3=[#]:
#include<stdio.h>
#include<stdlib.h>
struct node
int data:
struct node *link;
struct node *head=NULL:
struct node *newnode;
struct node *createnode(int data)
struct node *temp=(struct node*)(malloc(sizeof(struct node)));;
temp->data=data;
temp->link=NULL;
return temp;
void inserthode(int data)
if (head==NULL)
      11:1 ==
                                            F9 Make
         F2 Save F3 Open
                           Alt-F9 Compile
                                                     F10 Menu
F1 Help
```

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File
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                                                                   Window
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                           \TURBOC3\DHANYA\SINGLYLI.C
                                                                          -3=[‡]-
if (head==NULL)
head=createnode(data);
else
struct node*temp=head;
while(temp->link!=NULL)
temp=temp->link;
newnode=createnode(data);
temp->link=newnode;
struct node*search(data)
struct node *temp=head;
while(temp!=NULL)
if(temp->data=data)
       40:1
         FZ Save
                  F3 Open
                                            F9 Make
                                                      F10 Menu
                            Alt-F9 Compile
F1 Help
```

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File
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                           \TURBOC3\DHANYA\SINGLYLI.C
                                                                         =3=[‡]=
if(temp->data=data)
return temp;
temp=temp->link;
return NULL:
void printlinkedlist()
struct node *temp=head;
int i=1;
while(temp!=NULL)
printf("\n Mode %d:%d",i,temp->data);
temp=temp->link;
i++;
int main()
     = 60:1 =
                  F3 Open
                           Alt-F9 Compile
                                            F9 Make
                                                     F10 Menu
F1 Help
        F2 Save
```

```
File
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                          \TURBOC3\DHANYA\SINGLYLI.C =
                                                                        =3=[$]=
temp=temp->link;
i++;
int mainO
int n,i,data,x;
printf("\n Enter the number of node:");
scanf ("zd",&n);
i=0;
while(i<n)
printf("\n Enter the zd node:",i+1);
scanf ("kd", &data);
insertnode(data);
i++;
printlinkedlist():
return 0;
       75:1 ==
F1 Help F2 Save F3 Open Alt-F9 Compile F9 Make
                                                   F10 Menu
```

Enter the number of node: 4

Enter the 1 node: 4

Enter the 2 node: 6

Enter the 3 node: 7

Enter the 4 node:8

Node 1:4

Node 2:6

Node 3:7

Node 4:8

Enter the number of node:\_

```
Program - 4
Program to implement bingly local linked list
Drog-
# include a stdio. hs
# include < Stdlib. hs
 Struet node
 3 int dava;
 Fruet noch * Link;
 3;
 Struct nocle & read = NULL
 Street noile * newnocle;
 Stocket node * (reatenacle (int deta)
 Struct pode + temp = (5+ ocect noce + ) cmay oc
                     ( 513e0f (Struct nocle)));;
 temp -> close = close;
  temp -> link= NULL;
 deturn temp;
 void insertnode (int duta)
Eif ( head = = NULL)
```

```
ix Enva
 3 houd - createnade (clasa);
 3 elbe
 E stauer node x temp = head;
 chile ( femp -> link! = NULL)
 E temp = temp >link;
 new rocke : (reade noche (dada);
  femp -> link = newnode;
Stouct noile & Bearch Colata)
 3
  Struct nocle *femp = nead;
   cuhile (templ=NULL)
  if (temp-> clerta = desa)
  stravet node & search Colonta)
   Strault node & femp = head;
  cupile Ctemp! = NULL)
  if (femp) desa 2 desa)
  E refuse femp;
 temp = femp -> link;
```

```
refuso NULLS
 vold paintlinked list ()
 Struct node x temp = head;
 int i=1;
 Conile (femp! = NULL)
 Printf (" In node -rd : -/·d", i, temp->data);
 temp = temp -> link;
  1++;
 3 3
int main ()
 { int n, i, dat at x;
Printf ( " In Enter the number of home");
Scanf ("-1.d", 80);
 i=0;
 while (i < n)
 Print ("In EMER the rel node: ", iti);
 Scanf ("-1'd", Idasa);
 Insert node (data);
it+;
 Print Anked list ();
neturno;
```

5:ngly linked list

Enres the number of node: 4

Ender the I node: 4

Enter the 2 node: 6

Enter the 3 node: 7

Enter An 4 noch! 8

wock! 4

Nocle 2: 6

Node3: 7

Node4: 8