```
File
          Edit
                Search
                        Run
                             Compile
                                     Debug
                                             Pro ject
                                                       Options
                                                                  Window
                                                                          Help
                                                                         1=[0]=
                          NTURBOC3NSARANYANSTACKLIN.C
#include<stdio.h>
#include<conio.h>
#include<stdlib.h>
struct stack
int data:
struct stack *next;
*top=NULL, *temp;
int main()
int c:
clrscr():
while(1)
printf("\nMain Menu\n");
printf("\n1.Push\n");
printf("\n2.Pop\n");
printf("\n3.Display\n");
printf("\n4.exit\n");
printf("\n enter the choice");
      = 1:1 ====
        FZ Save F3 Open
                           Alt-F9 Compile
                                            F9 Make
                                                     F10 Menu
F1 Help
```

```
File
        Edit
                Search Run
                             Compile Debug Project
                                                     Options
                                                                 Window
                                                                        Help
                         \TURBOC3\SARANYA\STACKLIN.C =
                                                                        1=[0]:
printf("\n enter the choice");
scanf ("zd",&c);
switch(c)
case 1: push();
       break:
case 2: pop();
       break:
case 3: display();
        break:
case 4: exit(1):
        break:
default :printf("wrong");
push()
struct stack *temp;
int item:
temp=(struct stack*)malloc(sizeof(struct stack));
       41:1 ---
F1 Help F2 Save F3 Open Alt-F9 Compile F9 Make
                                                   F10 Menu
```

```
File
         Edit
                Search Run
                             Compile Debug Project
                                                       Options
                                                                   Window
                                                                           Help
                                                                          1=[0]:
                          NTURBOC3NSARANYANSTACKLIN.C
temp=(struct stack*)malloc(sizeof(struct stack));
printf("\n insert element on to the stack");
scanf ("xd", &item);
temp->data=item;
temp->next=top;
top=item:
return:
pop()
struct stack *ptr;
if (top==NULL)
printf("stack is empty");
else
temp=top;
printf("\n popped item is >d \n:",temp->data);
top=top->next;
free(temp);
return:
     = 61:1 <del>----</del>
                                            F9 Make
                                                     F10 Menu
F1 Help F2 Save F3 Open Alt-F9 Compile
```

```
Options
    File
          Edit
                Search
                        Run
                             Compile
                                     Debug Project
                                                                  Window
                                                                          Help
                                                                         1=[]]=
                         \TURBOC3\SARANYA\STACKLIN.C =
display()
{
int i;
struct stack *ptr;
ptr=top;
if (top==NULL)
printf("stack is empty");
else
printf("stack elements are:\n");
while(ptr!=NULL)
printf("xd\n ",ptr->data);
ptr=ptr->next;
return:
       83:1 ==
F1 Help
        F2 Save F3 Open
                          Alt-F9 Compile
                                          F9 Make
                                                    F10 Menu
```

Main Menu

- 1.Push
- 2.Pop
- 3.Display
- 4.exit

enter the choice 2 stack is empty Main Menu

- 1.Push
- 2.Pop
- 3.Display
- 4.exit

enter the choice_

Pregnam no: 7 Program to Emplement singly linked list Program #Include 25+do. h) # Include & Conio. hs # include (stdio.h) Struct stack Ford duta; struct stack ment; # top = NULL , * temp; int maines E tot e) clusines; while (1) postotte " la mala Manes la "); present ("(n 1- puch"); postnetecular pop ").

```
pmintf (" n3. Display \n");
 ponente " los. enst la");
posents ("Inenter the chosce ");
 scant (" Yod", 80);
Saltch ces
 Case !! push ();
       break;
case 2: poper;
       break;
case 3: display ();
      break;
case 4! ent (1);
    break;
default: pmentil" laring of ");
pushes
 Struct stack Atemp;
  and down them;
```

temp = (struct stack x) malloc (size of (struct stack)); prienti ("In Ensert element on to the stuck!"); scant ("Yod", & item); temp-sdata = Item; temp-s rent = top; top = item; return; popis struct stack *ptr; if (top = = NULL) portotal" stack is emply "); Sempo : dopo; presente " In popped them is % In: ", teage date); dop = dop - nent; Free Clemps; return; desplay ()

fort is struct stack optv; ptr = top; if Ctop = = NULL) jmintle" stack is empfy"); else ponintl("stack elements are: ln"); while (ply ! = NULL) printf (" %dln", plr -> data); pdr = pdr - nent; NI turn;