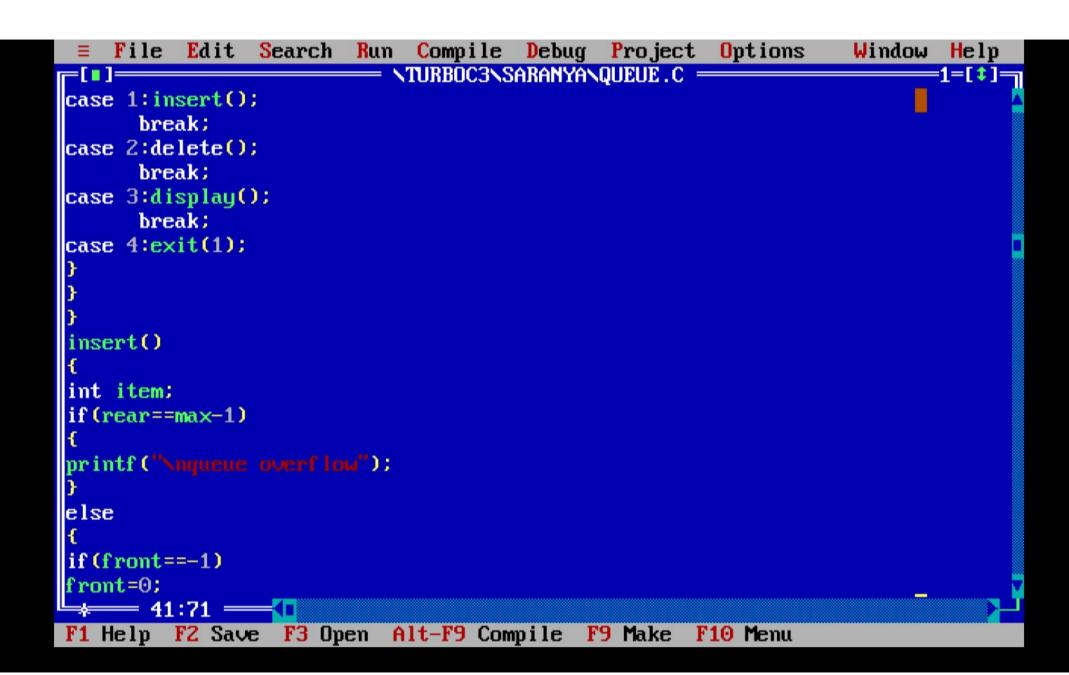
```
File Edit
               Search Run
                            Compile Debug Project
                                                    Options
                                                               Window
                                                                       Help
                          NTURBOC3NSARANYANQUEUE.C —
                                                                      =1=[$]=
#include<stdio.h>
#define max 5
int queue[max],front=-1,rear=-1;
int main()
int choice:
clrscr();
while(1)
printf("\nqueue operations\n");
printf("\nmain menu:");
printf("\n---:");
printf("\n1. insert");
printf("\n2. delete");
printf("\n3. display");
printf("\n4. exit");
printf("\n enter your choice:");
scanf ("xd", &choice);
switch(choice)
•
case 1:insert();
 * 1:71 - T
F1 Help F2 Save F3 Open Alt-F9 Compile F9 Make
                                                  F10 Menu
```



```
Search Run
                              Compile Debug Project
    File
         Edit
                                                        Options
                                                                   Window
                                                                            Help
                            NTURBOC3NSARANYANQUEUE.C —
                                                                           -1=[‡]=
if (front==-1)
front=0:
printf("\nenter the element to be added in queue:\n");
scanf ("kd".&item);
rear=rear+1;
queue[rear]=item;
return;
int delete()
if(front==-1||front>rear)
£
printf("\nqueue underflow\n");
return:
else
printf("\nelement deleted from queue is: 2d ",queue[front]);
front++;
return:
<del>□</del>≠----- 60:71 ----------
F1 Help F2 Save F3 Open
                           Alt-F9 Compile F9 Make
                                                      F10 Menu
```

```
File
         Edit
                Search
                             Compile Debug Project
                                                      Options
                                                                 Window
                        Run
                                                                        Help
                           NTURBOC3NSARANYANQUEUE.C —
                                                                        :1=[‡]=
front++:
return;
int display()
int i;
if (front==-1||front>rear)
printf("\nthere is no elements in queue\n");
return;
else
printf("\nelements in queue: \n");
for(i=front;i<=rear;i++)
printf("\nxd",queue[i]);
printf("\n");
return;
    — 79:71 ——
                          Alt-F9 Compile
F1 Help F2 Save F3 Open
                                          F9 Make
                                                    F10 Menu
```

```
queue operations
main menu:
1. insert
2. delete
3. display
4. exit
 enter your choice:1
enter the element to be added in queue:
1
queue operations
main menu:
1. insert
2. delete
3. display
```

4. exit

enter your choice:\_

```
enter your choice:1
enter the element to be added in queue:
queue operations
main menu:
1. insert
2. delete
3. display
4. exit
enter your choice:2
element deleted from queue is: 1
queue operations
main menu:
----:
1. insert
2. delete
3. display
4. exit
enter your choice:_
```

```
element deleted from queue is: 1
queue operations
main menu:
----:
1. insert
2. delete
3. display
4. exit
enter your choice:3
elements in queue:
2
queue operations
main menu:
----:
1. insert
2. delete
3. display
4. exit
enter your choice:_
```

```
elements in queue:
2
queue operations
main menu:
____:
1. insert
2. delete
3. display
4. exit
enter your choice:2
element deleted from queue is: 2
queue operations
main menu:
----:
1. insert
2. delete
3. display
4. exit
enter your choice:
```

```
4. exit
enter your choice:2
element deleted from queue is: 2
queue operations
main menu:
----:
1. insert
2. delete
3. display
4. exit
enter your choice:3
there is no elements in queue
queue operations
main menu:
----:
1. insert
```

2. delete

4. exit

3. display

enter your choice:4\_

Program: - 6 Program to emplement ormale using array. Program # Include < stdio. h > #define man 5 Ent queue [max], front=-1, New=-1; fort main () fort choice clascacs; while (1) mente ("Inqueue operations In") pritate (" In main menu: "); pment+ (" \n - - - : "); portable ( " n 1. Enser + "); powents ("Ina. Delete"); pmintf ("In3. display"); partnet ("In 4. Enit "); pmente ("Inenter gour choice: "); Scant ( "Yod", & choice); Switch (choice)

```
case 11: Ensert ();
           break;
    case a: delete co;
          break;
   Case 3: desplay ();
  case 4: enitor;
 Insert ()
Ent Hem)
 if ( Near = man-1)
   present l'Inqueue overflow");
 else
 if ( front == -1)
Front = 0;
probable "Inenter the element to be adeled in queue: 10%
Scanf ("/d", & 9tem );
```

```
New = Near +1;
 queue [rear] = 8-lem,
vetown;
Int deleters
  if ( front = = -1 | | front s ream)
    prisott C"Inqueae undersolow In");
   posentil "Inelement deleted from queue is: Yed",
                                  Queue [front]);
   front ++;
   Fort elleplay co
      if (front ==+1 1 | front s rear)
```

```
printil "In there is no elements in queae in");
 Netwo;
else
prints ("Inelements in queue: In");
for(1= fort; l= rear; 1++)
prints ("In Vod", quiae [9])
prente (" ("");
Netown;
```

queue operations Medo menu: 1. Insert 2. delete 3. display 4-enit enter your choice: & enter the element to be added in quel! main menu 1. Insert 2. delete 3 - desplay 4. emit enter your choice: shement ender the element to be acceled inquest queue operation main menu

```
1. Insert
   « delete
   3 display
  4. enst
  enter your choice: 2
  element deleted from quice is: 1 pos
 queue operations
 main menu
 1. Insert
2. delete
3. elisplay
4. enit
 en for your choses: 3
  elements in queue:
 que ue operations
 main monu
  1. Insert
 4. delete
 3. diplay
4. emit
```

ender your choice: 2

element deleted from queue is: a queue operations main meny 1. insert 2. delete 3. obsplay 1 entl enter your choser: 3 there is no element in queue quie operation main mente: 1. insut 2. delete 3. display 4 enit en for gour choice: 4