

The image shows a screenshot of a C code editor interface. The editor has a dark theme and a sidebar on the left with a file explorer showing 'main.c'. The top toolbar includes buttons for Run, Debug, Stop, Share, Save, Beautify, and a download icon. The language is set to 'C'. The code in the editor is as follows:

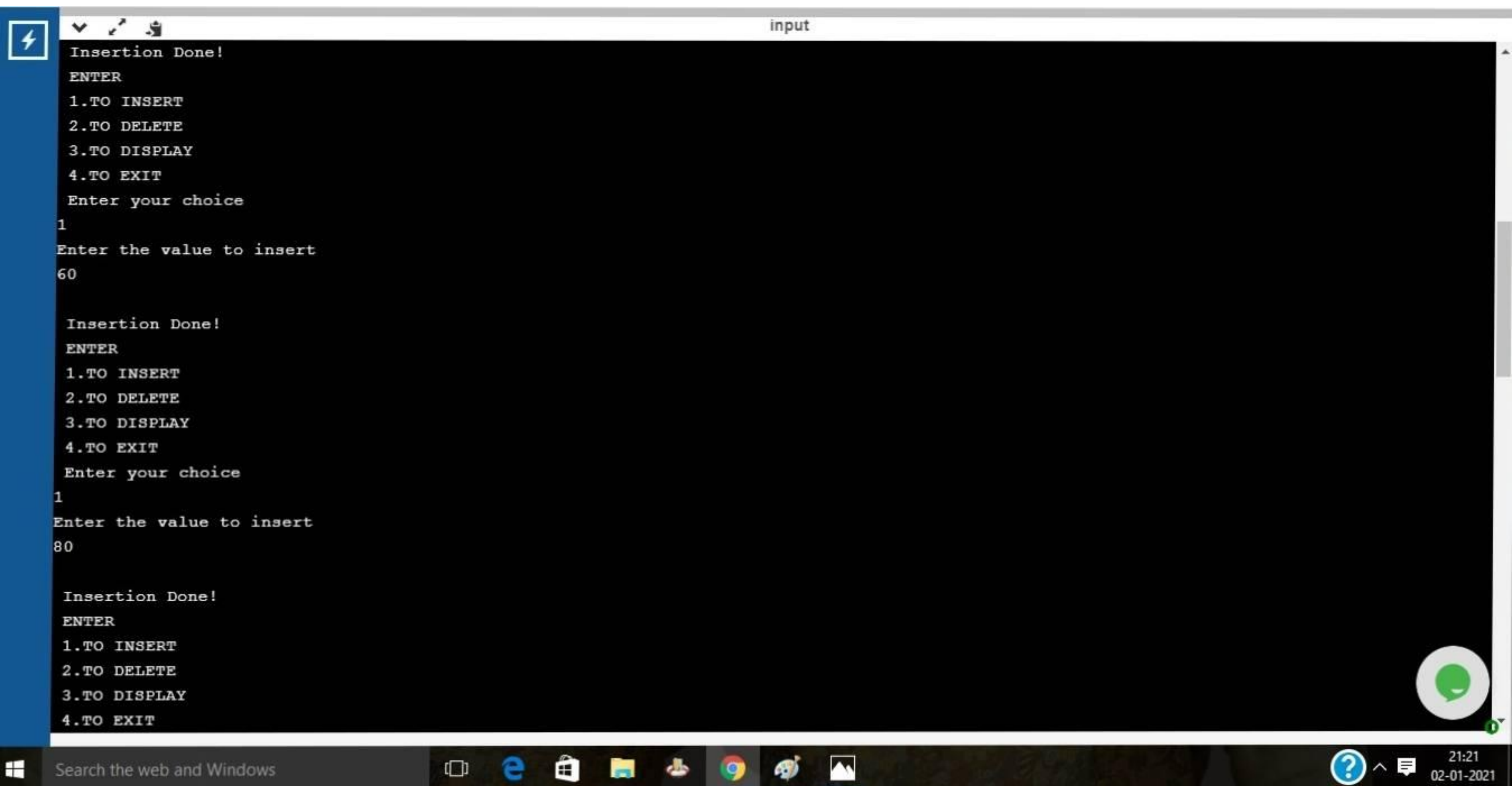
```
9 #include <stdio.h>
10 #include <stdlib.h>
11 #define N 5
12 int queue[N];
13 void enq(int a,int *front,int *rear){
14     if(*rear==N-1)
15         printf("\n QUEUE IS FULL");
16     else {
17         if(*front ==-1)
18             *front=0;
19         (*rear)++;
20         queue[*rear]=a;
21         printf("\n Insertion Done!");}}
22
23 void deq(int *front ,int *rear){
24     if(*front==*rear)
25         printf("\n QUEUE is empty");
26     else {
27         printf("\n deleted element %d",queue[*front]);
28         *front=*front+1;
29     }}
30
31 void display(int *front,int *rear){
32     if(*rear==-1)
33         printf("\n QUEUE IS EMPTY!!");
34     else{int i;
35         printf("\n QUEUE elements are :\t");
36         for(i=*front ;i<=*rear;i++)
37             printf("%d\t",queue[i]);}}
```

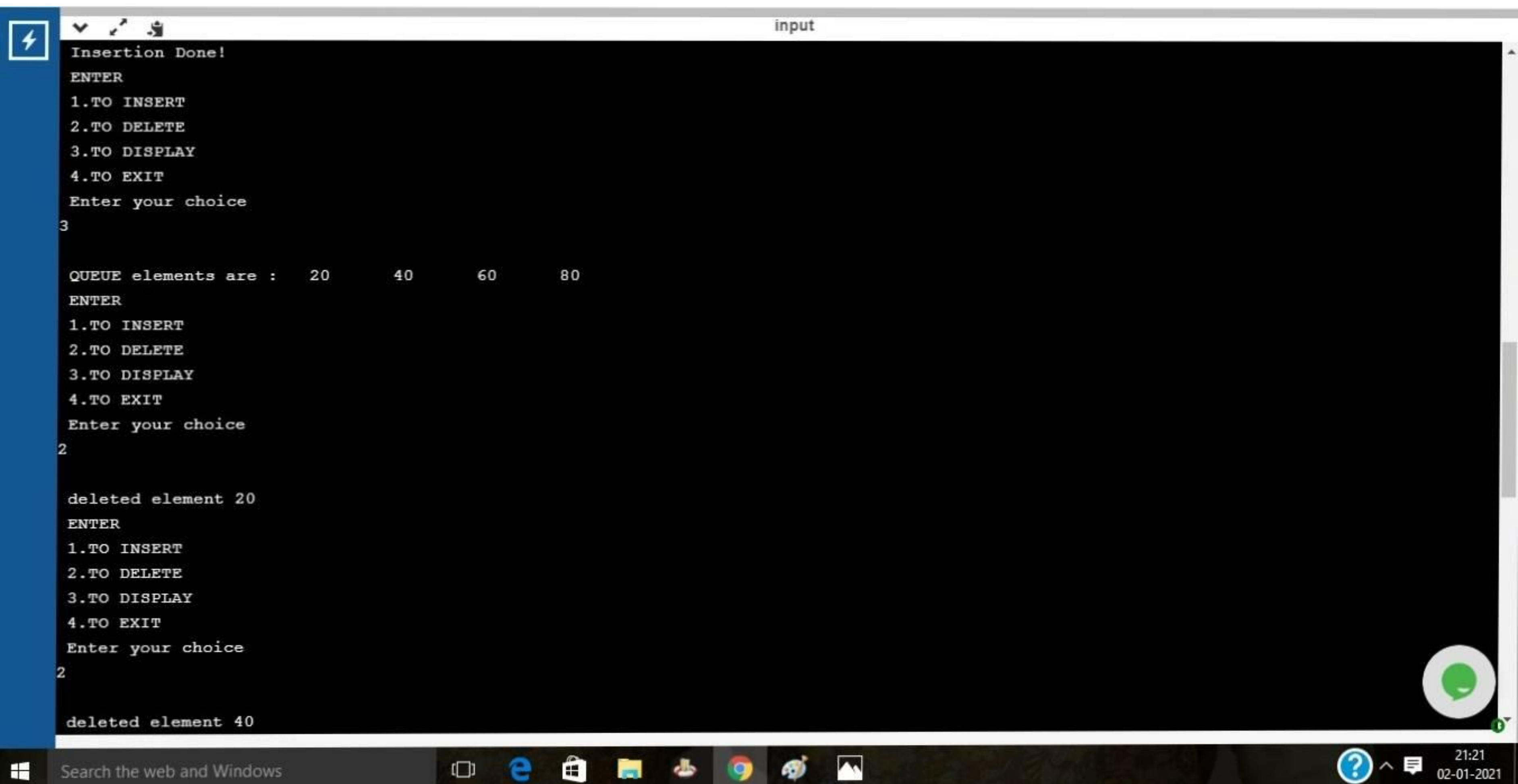
The Windows taskbar is visible at the bottom, showing the search bar and several application icons. The system clock in the bottom right corner indicates the time is 21:14 on 02-01-20.

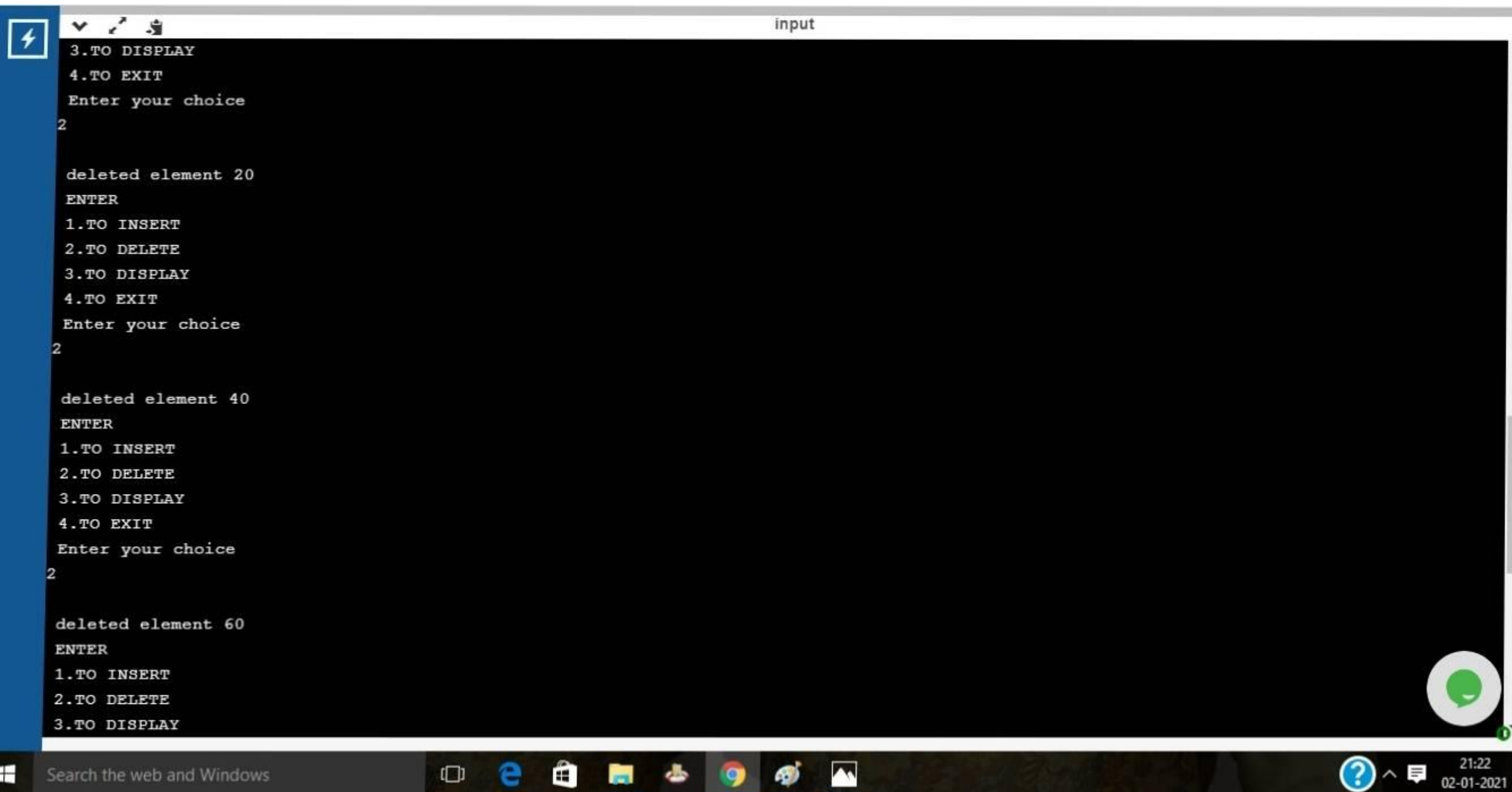
```
main.c
36     for(i=*front ; i<=*rear; i++)
37         printf("%d\t", queue[i]);
38
39 int main(){
40     int a, choice;
41     int *front=-1, rear=-1;
42     while(1){
43         printf("\n ENTER \n");
44         printf(" 1.TO INSERT");
45         printf("\n 2.TO DELETE");
46         printf("\n 3.TO DISPLAY");
47         printf("\n 4.TO EXIT");
48         printf("\n Enter your choice\n");
49         scanf("%d", &choice);
50         switch(choice){
51             case 1:
52                 printf("Enter the value to insert\n");
53                 scanf("%d", &a);
54                 enq(a, &front, &rear);
55                 break;
56             case 2:
57                 deq(&front, &rear);
58                 break;
59             case 3:
60                 display(&front, &rear);
61                 break;
62             case 4:
63                 return 0;
64             default:
65                 printf("\n INVALID ");
```

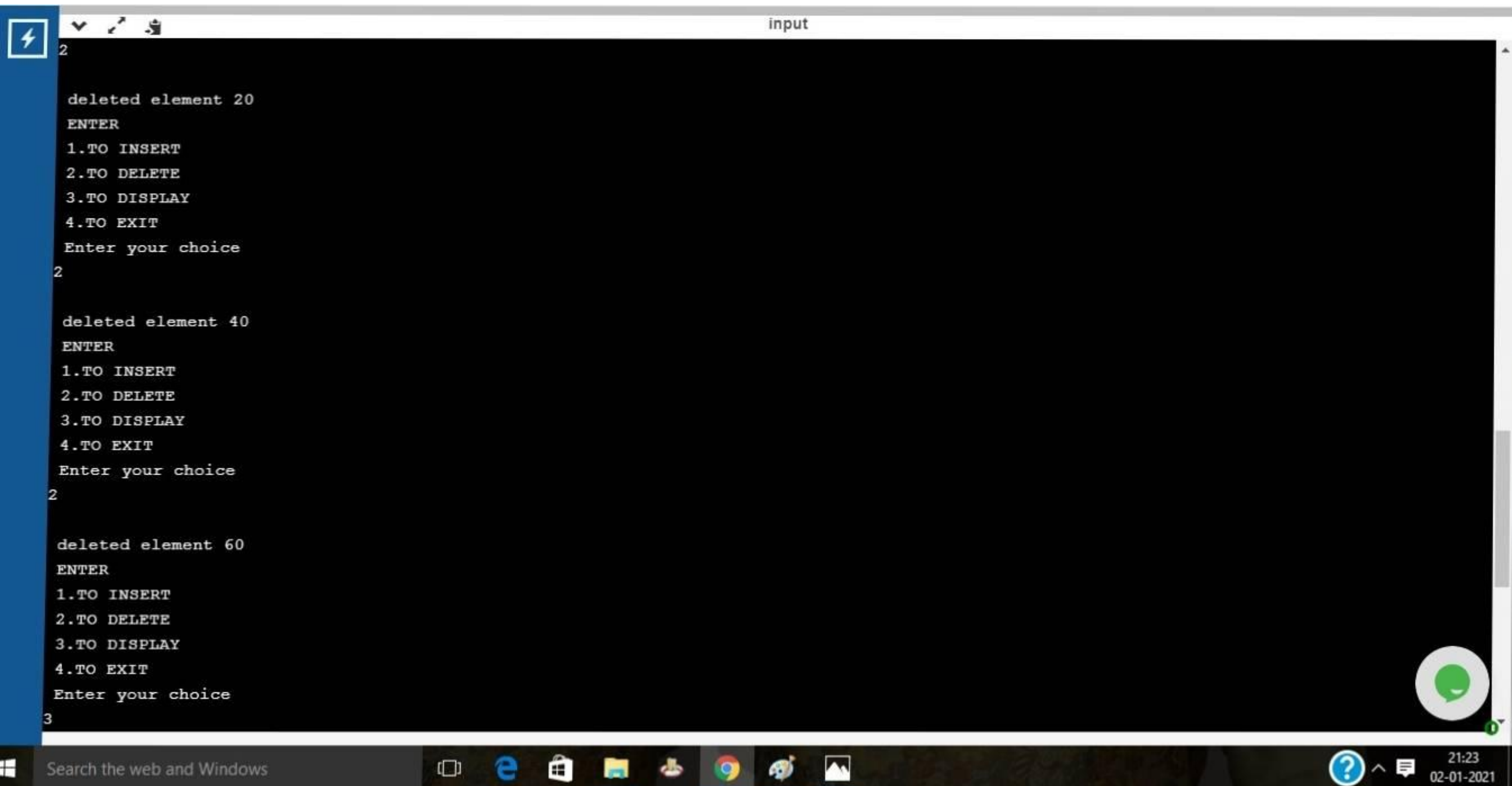
Scanned by TapScanner


```
Onlinegub.com/online_c_compiler  
input  
ENTER  
1.TO INSERT  
2.TO DELETE  
3.TO DISPLAY  
4.TO EXIT  
Enter your choice  
1  
Enter the value to insert  
20  
  
Insertion Done!  
ENTER  
1.TO INSERT  
2.TO DELETE  
3.TO DISPLAY  
4.TO EXIT  
Enter your choice  
1  
Enter the value to insert  
40  
  
Insertion Done!  
ENTER  
1.TO INSERT  
2.TO DELETE  
3.TO DISPLAY  
4.TO EXIT
```










```
input
1.TO INSERT
2.TO DELETE
3.TO DISPLAY
4.TO EXIT
Enter your choice
3

QUEUE elements are : 80
ENTER
1.TO INSERT
2.TO DELETE
3.TO DISPLAY
4.TO EXIT
Enter your choice
2

QUEUE is empty
ENTER
1.TO INSERT
2.TO DELETE
3.TO DISPLAY
4.TO EXIT
Enter your choice
4

...Program finished with exit code 0
Press ENTER to exit console.
```