

EXPLORER

NO FOLDER OPENED

You have not yet opened a folder.

Open Folder

Opening a folder will close all currently open editors. To keep them open, add a folder instead.

OUTLINE

TIMELINE

ass13.c 2

ab.c

queue13.c

C: > cpps > C queue13.c > main()

```
1  #include<stdio.h>
2  #include<stdlib.h>
3  #define size 100
4
5  int rear=-1, front=-1, queue[size];
6  void enqueue();
7  void dequeue();
8  void show();
9  int main()
10 {
11     int choice;
12     while(1)
13     {
14         printf("\n1.place order\n2.delevered orders\n3.order status");
15         printf("\n\nenter the choice");
16         scanf("%d",&choice);
17         switch(choice)
18         {
19             case 1:
20                 enqueue();
21                 break;
22             case 2:
23                 dequeue();
24                 break;
25             case 3:
26                 show();
27                 break;
28             default:
29                 printf("\ninvalid choice");
30         }
31     }
32 }
33 void enqueue()
34 {
35     int id;
36     char name[20], item[20];
37     if (rear==size-1)
38     {
39         printf("\norders have been exhausted");
40     }
41     else
42     {
43         printf("\nenter the order ID:");
44         scanf("%d",&id);
45         printf("\nenter your name:");
46         scanf("%s", &name);
47         printf("\nenter the names of the book");
48         scanf("%s",&item);
49         rear=rear+1;
50         queue[rear]=id;
51     }
```

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C: > cpps > C queue13.c > main()

```
36 char name[20], item[20];
37 if (rear==size-1)
38 {
39     printf("\norders have been exhausted");
40 }
41 else
42 {
43     printf("\nenter the order ID:");
44     scanf("%d",&id);
45     printf("\nenter your name:");
46     scanf("%s", &name);
47     printf("\nenter the names of the book");
48     scanf("%s",&item);
49     rear=rear+1;
50     queue[rear]=id;
51 }
52 }
53 void dequeue()
54 {
55     if (front==rear)
56     {
57         printf("no orders available");
58     }
59     else
60     {
61         printf("\ndelevered order:%d, queue[front]");
62         front=front+1;
63     }
64 }
65 void show()
66 {
67     if(front==rear)
68     {
69         printf("no orders available");
70     }
71     else
72     {
73         printf("\norders dispatched:\n");
74         for(int i=front;i>=0;--i)
75             printf("%d\n",queue[i]);
76     }
77 }
```

queue13.c

queue13.c

queue13.c