

Void main ()

front

rear

queue [5]

0	1
1	20
2	
3	
4	

choice

Queue in C

choic != 4
1 != 4 ✓
2 != 4 ✓
3 != 4

switch (1)(2)(3)

insert()
delete()
display()

insert()

item

①
if (rear == maxsize - 1)
-1 == 5 - 1
-1 == 4 ✗

if
front == -1 && rear == -1
-1 == -1 && -1 == -1 ✓

front = 0
rear = 0

queue[0] = 12

delete()

③ item

if (0 == -1 || 0 > 1) ✗
else
item = queue[0]
if (0 == 1) ✗
else
front = 0 + 1
= 1

② if (0 == 5 - 1)
0 == 4 ✗

~~if~~ if (0 == 1 &&
0 == -1) ✗

else
rear = rear + 1
= 0 + 1
= 1

queue[1] = 20

output

main menu

- 1) insert an element
- 2) delete an element
- 3) Display the queue
- 4) exit.

enter your choice : 1
enter the element : 12
value inserted.

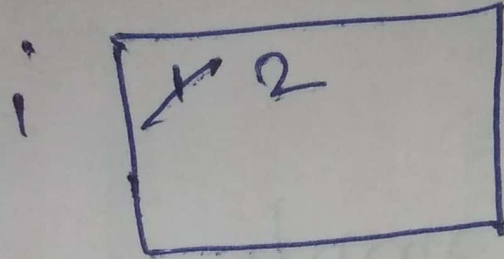
enter your choice : 1
enter the element - 20
value inserted.

enter your choice - 2
value deleted.

enter your choice 3
Printing values

120
enter your choice - 4
exit.

④ display c)



if (1 == -1) X

else

$i \leq \text{rear}$

$1 \leq 1$ ✓

$2 \leq 1$ X

print queue [i]