Queue in C

void main ()

front [≠ Ø 1]

rear [≠ Ø 1]

queue [5]

0	12
1	20
2	
3	
4	

choice [≠ ✗ ✗ 3 / 4]

choic != 4

1 != 4 ✓
2 != 4 ✓
3 != 4

switch (1)(2)(3)

→ insert ()
   delete ()
   display ()

insert ()

item [12 20]

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

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

  front = 0
  rear = 0

queue [0] = 12

delete ()

③

item [12]

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

② if (0 == 5-1)
     0 == 4 ✗

else if (0 == -1 &&
     0 == -1) ✗

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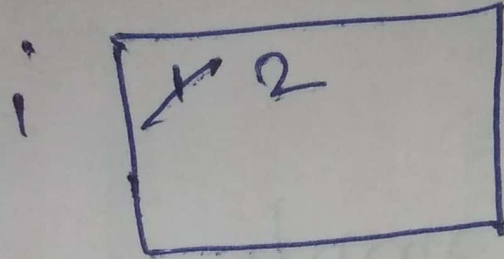 rear = rear +1
       = 0 +1
       = 1

queue [1] = 20

output

mainmenu

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
$20

enter your choice -4
exit.

stack elements are 20

④   display ()

i   ┌─────────────┐
     │ x^2 │
     └─────────────┘

if (i == -1) ✗

else

     i <= rear

     1 <= 1 ✓
     2 <= 1 ✗

print queue [i]