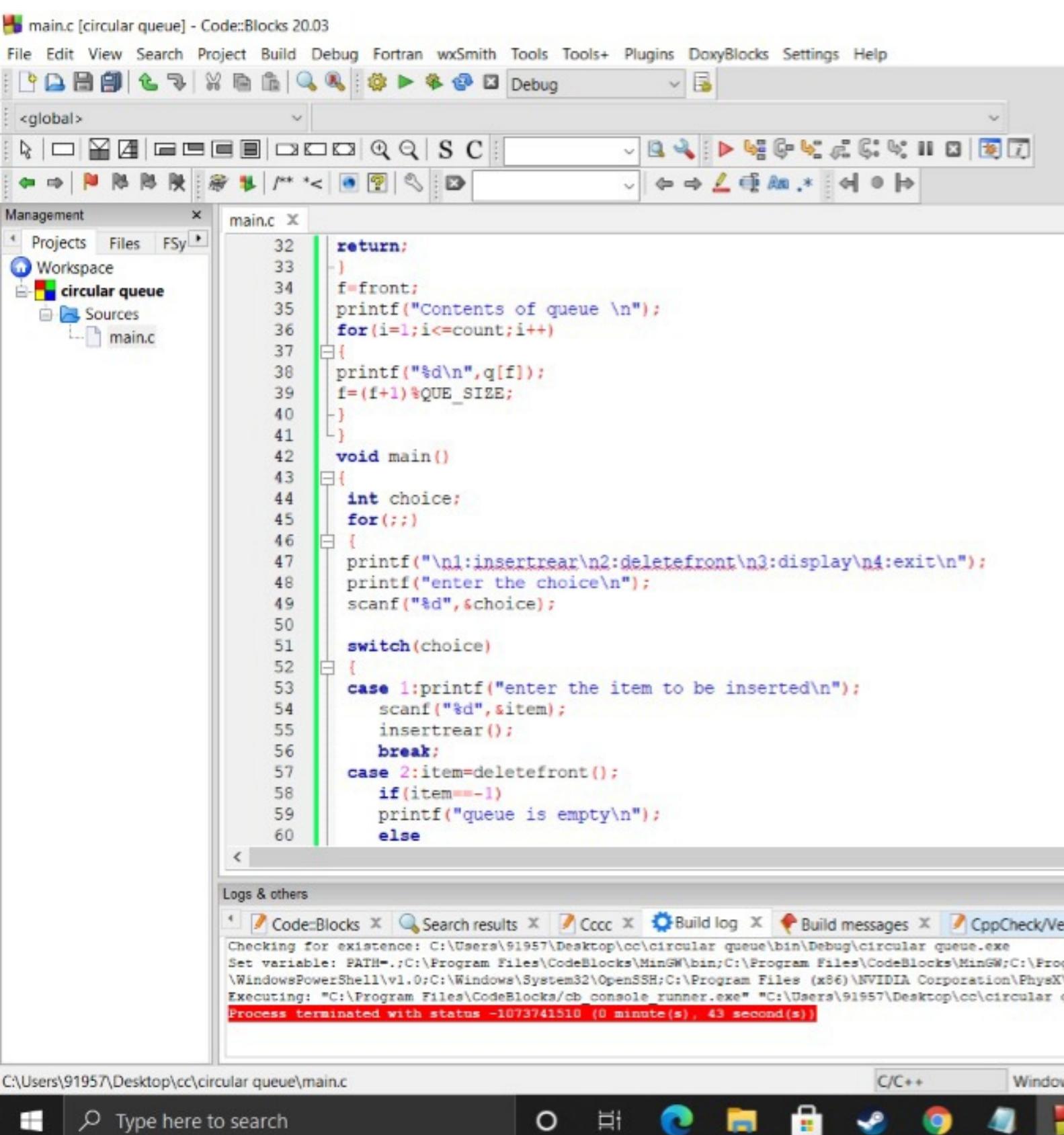
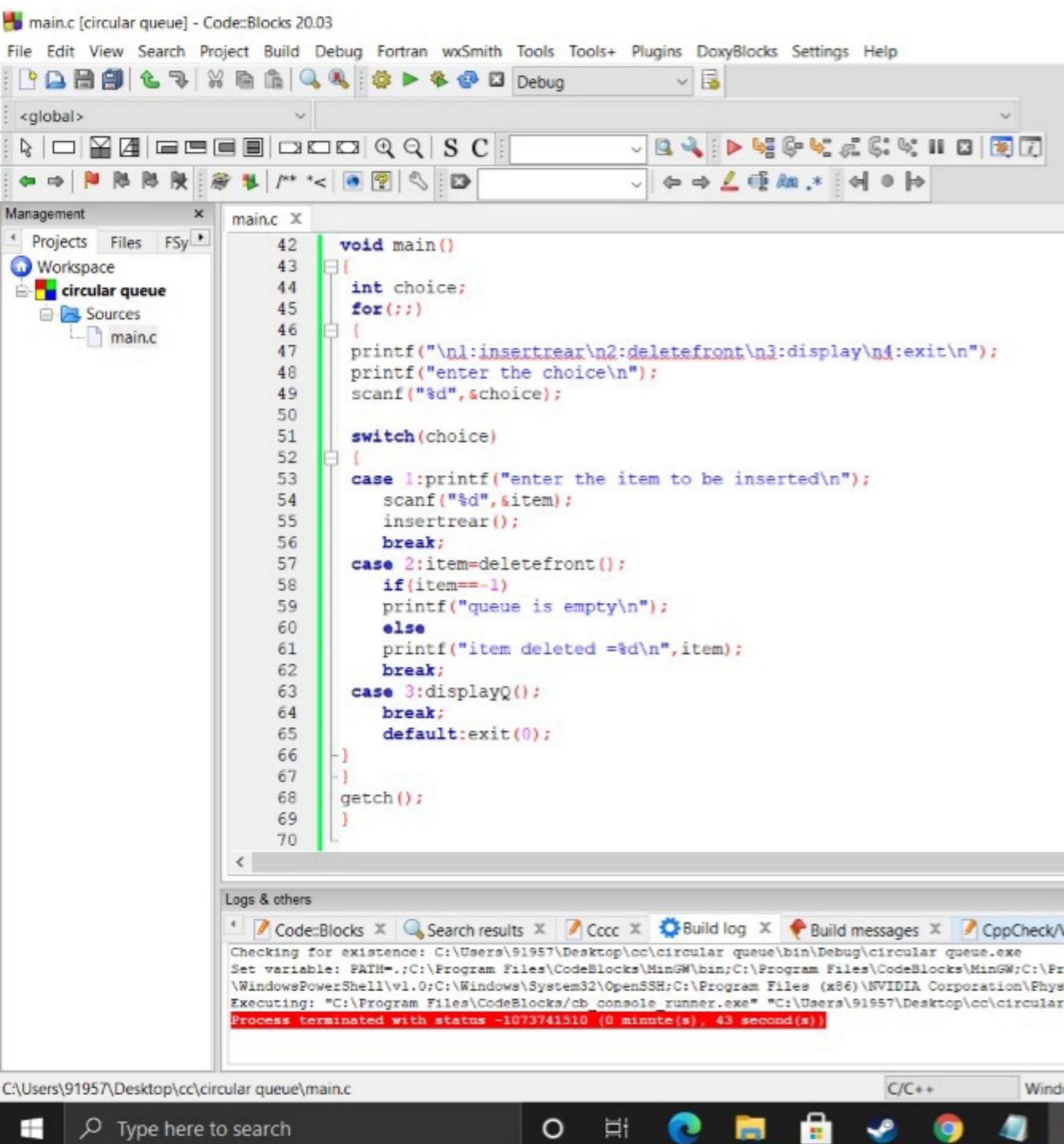


C:\Users\91957\Desktop\cc\circular queue\main.c

C/C++





"C:\Users\91957\Desktop\cc\circular queue\bin\Debug\circular queue.exe"

1:insertrear

2:deletefront

3:display

4:exit

enter the choice

3

queue is empty

1:insertrear

2:deletefront

3:display

4:exit

enter the choice

1

enter the item to be inserted

10

1:insertrear

2:deletefront

3:display

4:exit

enter the choice

1

enter the item to be inserted

20

1:insertrear

2:deletefront

3:display

4:exit

enter the choice

1

enter the item to be inserted

30

1:insertrear

2:deletefront

3:display

4:exit

enter the choice

1

enter the item to be inserted

40

queue overflow

1:insertrear

2:deletefront

3:display

4:exit



Type here to search



"C:\Users\91957\Desktop\cc\circular queue\bin\Debug\circular queue.exe"

40

queue overflow

1:insertrear

2:deletefront

3:display

4:exit

enter the choice

3

Contents of queue

10

20

30

1:insertrear

2:deletefront

3:display

4:exit

enter the choice

2

item deleted -10

1:insertrear

2:deletefront

3:display

4:exit

enter the choice

1

enter the item to be inserted

70

1:insertrear

2:deletefront

3:display

4:exit

enter the choice

3

Contents of queue

20

30

70

1:insertrear

2:deletefront

3:display

4:exit

enter the choice



Type here to search



```

#include <stdio.h>
#include <conio.h>
#include <process.h>
#define QUE_SIZE 3
int item, front = 0, rear = -1, q[QUE_SIZE], count = 0;
void insertrear()
{
    if (count == QUE_SIZE)
        printf (" queue Overflow\n");
    return;
}
rear = (rear + 1) % QUE_SIZE;
q[rear] = item;
Count++;
int deletefront()
{
    if (Count == 0) return -1;
    item = q[front];
    front = (front + 1) % QUE_SIZE;
    Count--;
    return item;
}
void display()

```

```

int isf,
if (count == 0)
{
    printf (" queue is empty\n");
    return;
}

f = front;
printf ("Contents of queue\n");
for (i=1; i<=count; i++)
{
    printf ("%d\n", q[f]);
    f = (f + 1) % SIZE;
}
}

void main ()
{
    int choice;
    for (;;)
    {
        printf ("\n1:insert\n2:Delete\n3:Display\n4:exit\n");
        printf ("Enter the choice\n");
        scanf ("%d", &choice);
        break;
    }
}

```

Switch (choice)

Case 1 : printf (" enter the item to be inserted\n");
scanf ("%d", &item);
insertrear();
break;

Date _____
Page _____

Case 2: item = deque.front();
if (item == -1)
printf ("deque is empty\n");
else
printf ("item deleted = %d\n", item);
break;

Case 3: display();
break

default: exit (0);
}

getch();