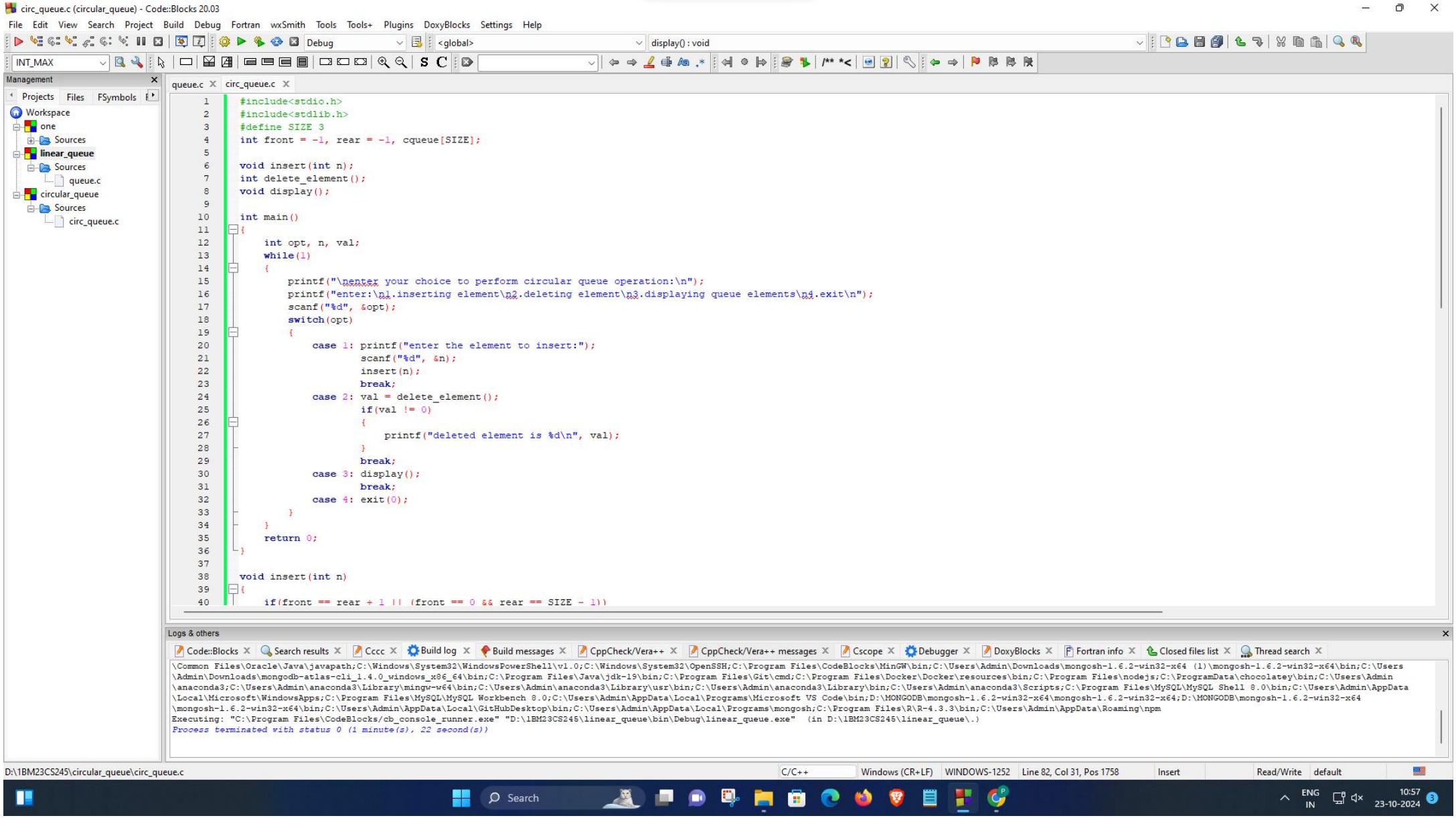
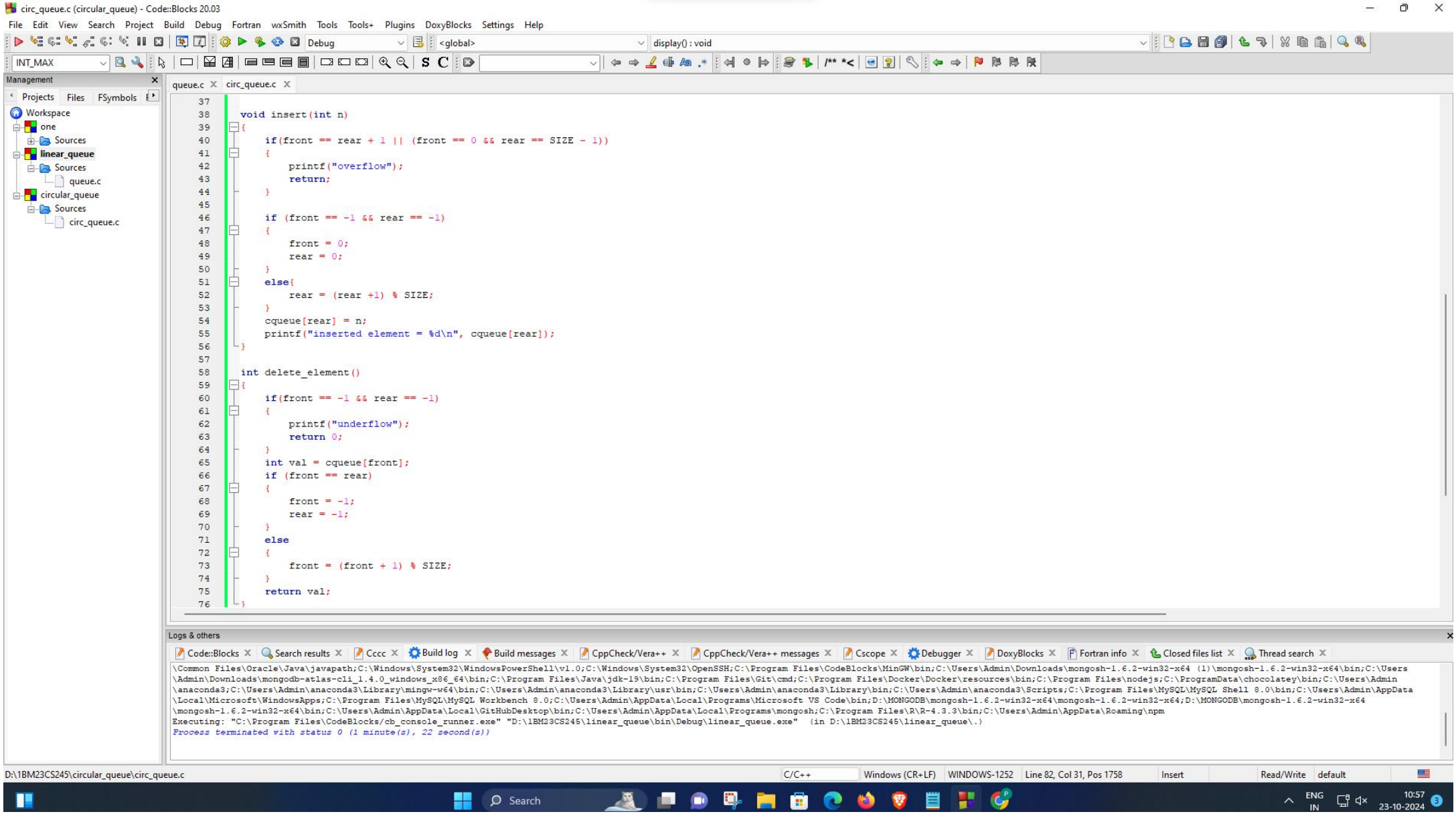

circ_queue.c (circular_queue) - Code::Blocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
Debug
<global>
display() : void
INT_MAX
Management
Projects Files FSymbols
Workspace
one
Sources
linear_queue
Sources
queue.c
circular_queue
Sources
circ_queue.c
queue.c
circ_queue.c
#include<stdio.h>
#include<stdlib.h>
#define SIZE 3
int front = -1, rear = -1, cqueue[SIZE];
void insert(int n);
int delete_element();
void display();
int main()
{
int opt, n, val;
while(1)
{
printf("\nenter your choice to perform circular queue operation:\n");
printf("enter:\n1.inserting element\n2.deleting element\n3.displaying queue elements\n4.exit\n");
scanf("%d", &opt);
switch(opt)
{
case 1: printf("enter the element to insert:");
scanf("%d", &n);
insert(n);
break;
case 2: val = delete_element();
if(val != 0)
{
printf("deleted element is %d\n", val);
}
break;
case 3: display();
break;
case 4: exit(0);
}
}
return 0;
}
void insert(int n)
{
if(front == rear + 1 || (front == 0 && rear == SIZE - 1))
Logs & others
Code::Blocks
Search results
Cccc
Build log
Build messages
CppCheck/Vera++
CppCheck/Vera++ messages
Cscope
Debugger
DoxyBlocks
Fortran info
Closed files list
Thread search
\Common Files\Oracle\Java\javapath;C:\Windows\System32\WindowsPowerShell\v1.0;C:\Windows\System32\OpenSSH;C:\Program Files\CodeBlocks\MinGW\bin;C:\Users\Admin\Downloads\mongosh-1.6.2-win32-x64 (1)\mongosh-1.6.2-win32-x64\bin;C:\Users
\Admin\Downloads\mongodb-atlas-cli_1.4.0_windows_x86_64\bin;C:\Program Files\Java\jdk-19\bin;C:\Program Files\Git\cmd;C:\Program Files\Docker\Docker\resources\bin;C:\Program Files\nodejs;C:\ProgramData\chocolatey\bin;C:\Users\Admin
\anaconda3;C:\Users\Admin\anaconda3\Library\mingw-w64\bin;C:\Users\Admin\anaconda3\Library\usr\bin;C:\Users\Admin\anaconda3\Library\bin;C:\Users\Admin\anaconda3\Scripts;C:\Program Files\MySQL\MySQL Shell 8.0\bin;C:\Users\Admin\AppData
\Local\Microsoft\WindowsApps;C:\Program Files\MySQL\MySQL Workbench 8.0;C:\Users\Admin\AppData\Local\Programs\Microsoft VS Code\bin;D:\MONGODB\mongosh-1.6.2-win32-x64\mongosh-1.6.2-win32-x64;D:\MONGODB\mongosh-1.6.2-win32-x64
\mongosh-1.6.2-win32-x64\bin;C:\Users\Admin\AppData\Local\GitHubDesktop\bin;C:\Users\Admin\AppData\Local\Programs\mongosh;C:\Program Files\R\R-4.3.3\bin;C:\Users\Admin\AppData\Roaming\npm
Executing: "C:\Program Files\CodeBlocks/cb_console_runner.exe" "D:\1BM23CS245\linear_queue\bin\Debug\linear_queue.exe" (in D:\1BM23CS245\linear_queue\.)
Process terminated with status 0 (1 minute(s), 22 second(s))
D:\1BM23CS245\circular_queue\circ_queue.c
C/C++
Windows (CR+LF)
WINDOWS-1252
Line 82, Col 31, Pos 1758
Insert
Read/Write
default
Search
ENG
IN
10:57
23-10-2024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Debug
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display() : void
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Management
Projects Files FSymbols
Workspace
one
Sources
linear_queue
Sources
queue.c
circular_queue
Sources
circ_queue.c
queue.c
circ_queue.c
37
38 void insert(int n)
39 {
40 if(front == rear + 1 || (front == 0 && rear == SIZE - 1))
41 {
42 printf("overflow");
43 return;
44 }
45
46 if (front == -1 && rear == -1)
47 {
48 front = 0;
49 rear = 0;
50 }
51 else{
52 rear = (rear +1) % SIZE;
53 }
54 cqueue[rear] = n;
55 printf("inserted element = %d\n", cqueue[rear]);
56 }
57
58 int delete_element()
59 {
60 if(front == -1 && rear == -1)
61 {
62 printf("underflow");
63 return 0;
64 }
65 int val = cqueue[front];
66 if (front == rear)
67 {
68 front = -1;
69 rear = -1;
70 }
71 else
72 {
73 front = (front + 1) % SIZE;
74 }
75 return val;
76 }
Logs & others
Code::Blocks Search results Cccc Build log Build messages CppCheck/Vera++ CppCheck/Vera++ messages Cscope Debugger DoxyBlocks Fortran info Closed files list Thread search
\Common Files\Oracle\Java\javapath;C:\Windows\System32\WindowsPowerShell\v1.0;C:\Windows\System32\OpenSSH;C:\Program Files\CodeBlocks\MinGW\bin;C:\Users\Admin\Downloads\mongosh-1.6.2-win32-x64 (1)\mongosh-1.6.2-win32-x64\bin;C:\Users
\Admin\Downloads\mongodb-atlas-cli_1.4.0_windows_x86_64\bin;C:\Program Files\Java\jdk-19\bin;C:\Program Files\Git\cmd;C:\Program Files\Docker\Docker\resources\bin;C:\Program Files\nodejs;C:\ProgramData\chocolatey\bin;C:\Users\Admin
\anaconda3;C:\Users\Admin\anaconda3\Library\mingw-w64\bin;C:\Users\Admin\anaconda3\Library\usr\bin;C:\Users\Admin\anaconda3\Library\bin;C:\Users\Admin\anaconda3\Scripts;C:\Program Files\MySQL\MySQL Shell 8.0\bin;C:\Users\Admin\AppData
\Local\Microsoft\WindowsApps;C:\Program Files\MySQL\MySQL Workbench 8.0;C:\Users\Admin\AppData\Local\Programs\Microsoft VS Code\bin;D:\MONGODB\mongosh-1.6.2-win32-x64\mongosh-1.6.2-win32-x64;D:\MONGODB\mongosh-1.6.2-win32-x64
\mongosh-1.6.2-win32-x64\bin;C:\Users\Admin\AppData\Local\GitHubDesktop\bin;C:\Users\Admin\AppData\Local\Programs\mongosh;C:\Program Files\R\R-4.3.3\bin;C:\Users\Admin\AppData\Roaming\npm
Executing: "C:\Program Files\CodeBlocks/cb_console_runner.exe" "D:\1BM23CS245\linear_queue\bin\Debug\linear_queue.exe" (in D:\1BM23CS245\linear_queue\.)
Process terminated with status 0 (1 minute(s), 22 second(s))
D:\1BM23CS245\circular_queue\circ_queue.c
C/C++
Windows (CR+LF)
WINDOWS-1252
Line 82, Col 31, Pos 1758
Insert
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default
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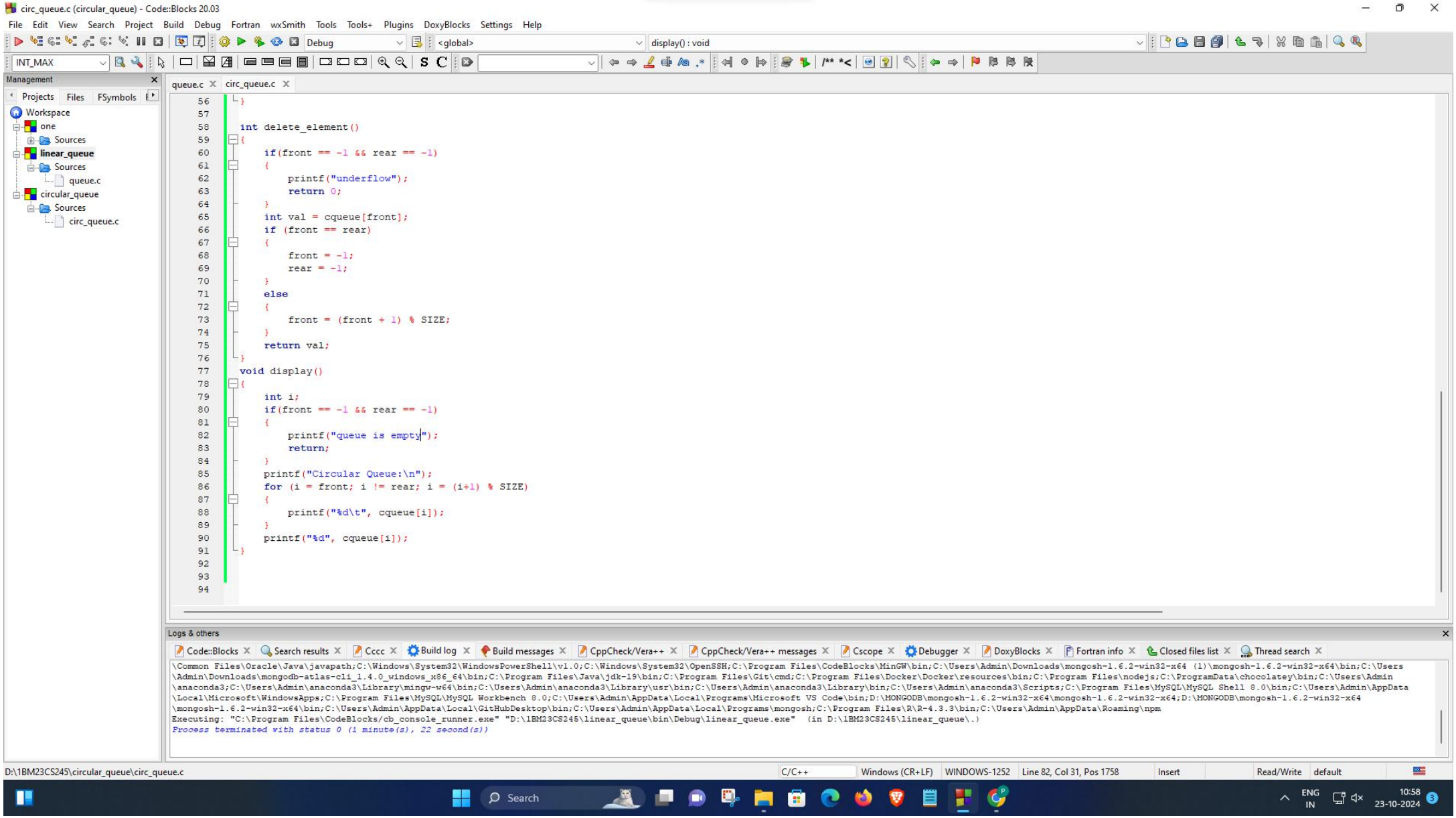
10:57
23-10-2024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Debug
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one
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Sources
queue.c
circular_queue
Sources
circ_queue.c
queue.c
circ_queue.c
56 }
57
58 int delete_element()
59 {
60 if(front == -1 && rear == -1)
61 {
62 printf("underflow");
63 return 0;
64 }
65 int val = cqueue[front];
66 if (front == rear)
67 {
68 front = -1;
69 rear = -1;
70 }
71 else
72 {
73 front = (front + 1) % SIZE;
74 }
75 return val;
76 }
77 void display()
78 {
79 int i;
80 if(front == -1 && rear == -1)
81 {
82 printf("queue is empty");
83 return;
84 }
85 printf("Circular Queue:\n");
86 for (i = front; i != rear; i = (i+1) % SIZE)
87 {
88 printf("%d\t", cqueue[i]);
89 }
90 printf("%d", cqueue[i]);
91 }
92
93
94
Logs & others
Code::Blocks Search results Cccc Build log Build messages CppCheck/Vera++ CppCheck/Vera++ messages Cscope Debugger DoxyBlocks Fortran info Closed files list Thread search
\Common Files\Oracle\Java\javapath;C:\Windows\System32\WindowsPowerShell\v1.0;C:\Windows\System32\OpenSSH;C:\Program Files\CodeBlocks\MinGW\bin;C:\Users\Admin\Downloads\mongosh-1.6.2-win32-x64 (1)\mongosh-1.6.2-win32-x64\bin;C:\Users
\Admin\Downloads\mongodb-atlas-cli_1.4.0_windows_x86_64\bin;C:\Program Files\Java\jdk-19\bin;C:\Program Files\Git\cmd;C:\Program Files\Docker\Docker\resources\bin;C:\Program Files\nodejs;C:\ProgramData\chocolatey\bin;C:\Users\Admin
\anaconda3;C:\Users\Admin\anaconda3\Library\mingw-w64\bin;C:\Users\Admin\anaconda3\Library\usr\bin;C:\Users\Admin\anaconda3\Library\bin;C:\Users\Admin\anaconda3\Scripts;C:\Program Files\MySQL\MySQL Shell 8.0\bin;C:\Users\Admin\AppData
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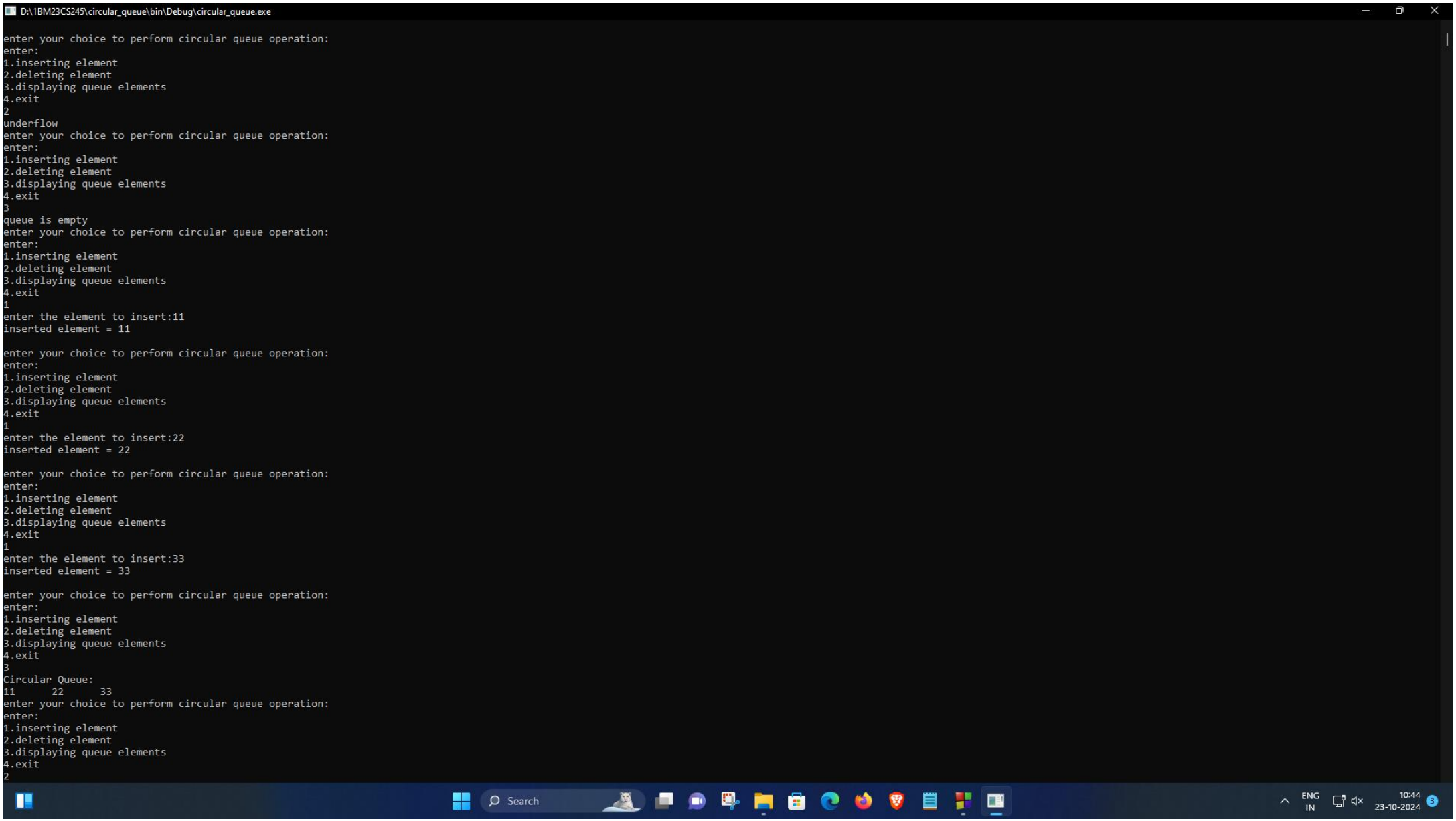
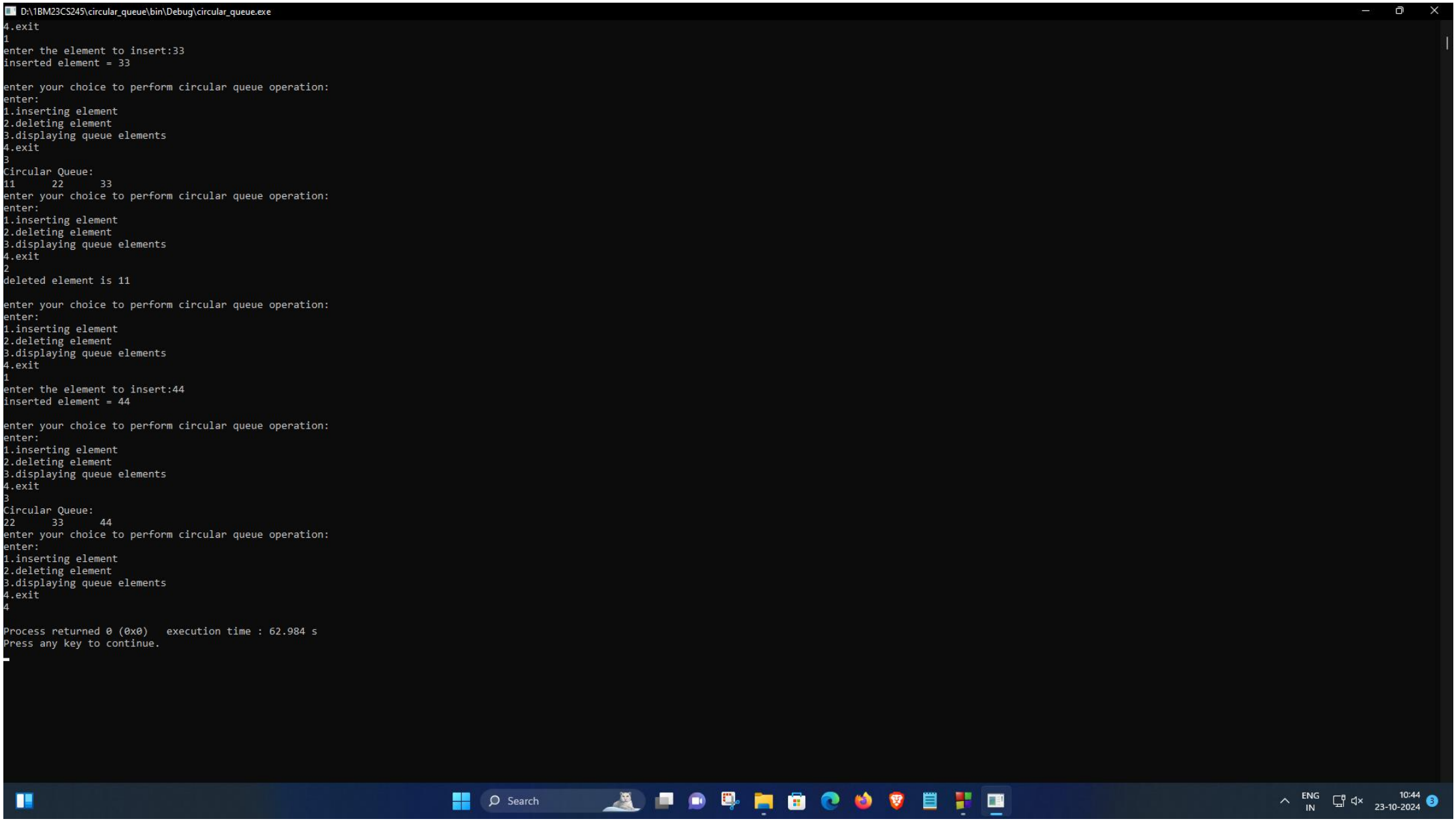
\mongosh-1.6.2-win32-x64\bin;C:\Users\Admin\AppData\Local\GitHubDesktop\bin;C:\Users\Admin\AppData\Local\Programs\mongosh;C:\Program Files\R\R-4.3.3\bin;C:\Users\Admin\AppData\Roaming\npm
Executing: "C:\Program Files\CodeBlocks/cb_console_runner.exe" "D:\1BM23CS245\linear_queue\bin\Debug\linear_queue.exe" (in D:\1BM23CS245\linear_queue\.)
Process terminated with status 0 (1 minute(s), 22 second(s))
D:\1BM23CS245\circular_queue\circ_queue.c
C/C++
Windows (CR+LF)
WINDOWS-1252
Line 82, Col 31, Pos 1758
Insert
Read/Write
default
Search
ENG
IN
10:58
23-10-2024


D:\1BM23CS245\circular_queue\bin\Debug\circular_queue.exe
enter your choice to perform circular queue operation:
enter:
1.inserting element
2.deleting element
3.displaying queue elements
4.exit
2
underflow
enter your choice to perform circular queue operation:
enter:
1.inserting element
2.deleting element
3.displaying queue elements
4.exit
3
queue is empty
enter your choice to perform circular queue operation:
enter:
1.inserting element
2.deleting element
3.displaying queue elements
4.exit
1
enter the element to insert:11
inserted element = 11
enter your choice to perform circular queue operation:
enter:
1.inserting element
2.deleting element
3.displaying queue elements
4.exit
1
enter the element to insert:22
inserted element = 22
enter your choice to perform circular queue operation:
enter:
1.inserting element
2.deleting element
3.displaying queue elements
4.exit
1
enter the element to insert:33
inserted element = 33
enter your choice to perform circular queue operation:
enter:
1.inserting element
2.deleting element
3.displaying queue elements
4.exit
3
Circular Queue:
11 22 33
enter your choice to perform circular queue operation:
enter:
1.inserting element
2.deleting element
3.displaying queue elements
4.exit
2
Search
ENG
IN
10:44
23-10-2024


D:\1BM23CS245\circular_queue\bin\Debug\circular_queue.exe
4.exit
1
enter the element to insert:33
inserted element = 33
enter your choice to perform circular queue operation:
enter:
1.inserting element
2.deleting element
3.displaying queue elements
4.exit
3
Circular Queue:
11 22 33
enter your choice to perform circular queue operation:
enter:
1.inserting element
2.deleting element
3.displaying queue elements
4.exit
2
deleted element is 11
enter your choice to perform circular queue operation:
enter:
1.inserting element
2.deleting element
3.displaying queue elements
4.exit
1
enter the element to insert:44
inserted element = 44
enter your choice to perform circular queue operation:
enter:
1.inserting element
2.deleting element
3.displaying queue elements
4.exit
3
Circular Queue:
22 33 44
enter your choice to perform circular queue operation:
enter:
1.inserting element
2.deleting element
3.displaying queue elements
4.exit
4
Process returned 0 (0x0) execution time : 62.984 s
Press any key to continue.
Search
ENG
IN
10:44
23-10-2024