

clang-7 -pthread -lm -o main main.c

./main

Circular Queue

1. Insert to Queue (EnQueue)
2. delete from the Queue (DeQueue)
3. Display the content
4. Exit

Enter the option :1

Enter the element

10

Circular Queue

1. Insert to Queue (EnQueue)
2. delete from the Queue (DeQueue)
3. Display the content
4. Exit

Enter the option :1

Enter the element

20

Circular Queue

1. Insert to Queue (EnQueue)
2. delete from the Queue (DeQueue)
3. Display the content
4. Exit

Enter the option :1

Enter the element

30

Circular Queue

1. Insert to Queue (EnQueue)
2. delete from the Queue (DeQueue)
3. Display the content
4. Exit

Enter the option :1



1. Insert to queue (EnQueue)
2. delete from the queue (DeQueue)
3. Display the content
4. Exit

Enter the option :1

Enter the element

40

Queue is full

Circular Queue

1. Insert to Queue (EnQueue)
2. delete from the Queue (DeQueue)
3. Display the content
4. Exit

Enter the option :3

Queue contents :

10

20

30

Circular Queue

1. Insert to Queue (EnQueue)
2. delete from the Queue (DeQueue)
3. Display the content
4. Exit

Enter the option :2

Removed element from the queue 10

Circular Queue

1. Insert to Queue (EnQueue)
2. delete from the Queue (DeQueue)
3. Display the content
4. Exit

Enter the option :3

Queue contents :

20



3. Display the content

4. Exit

Enter the option :3

Queue contents :

20

30

Circular Queue

1. Insert to Queue (EnQueue)

2. delete from the Queue (DeQueue)

3. Display the content

4. Exit

Enter the option :1

Enter the element

40

Circular Queue

1. Insert to Queue (EnQueue)

2. delete from the Queue (DeQueue)

3. Display the content

4. Exit

Enter the option :3

Queue contents :

20

30

40

Circular Queue

1. Insert to Queue (EnQueue)

2. delete from the Queue (DeQueue)

3. Display the content

4. Exit

Enter the option :2

Removed element from the queue 20

Circular Queue



2. delete from the Queue (DeQueue)
3. Display the content
4. Exit

Enter the option :2

Removed element from the queue 20

Circular Queue

1. Insert to Queue (EnQueue)
2. delete from the Queue (DeQueue)
3. Display the content
4. Exit

Enter the option :2

Removed element from the queue 30

Circular Queue

1. Insert to Queue (EnQueue)
2. delete from the Queue (DeQueue)
3. Display the content
4. Exit

Enter the option :2

Removed element from the queue 40

Circular Queue

1. Insert to Queue (EnQueue)
2. delete from the Queue (DeQueue)
3. Display the content
4. Exit

Enter the option :2

Queue is empty

Circular Queue

1. Insert to Queue (EnQueue)
2. delete from the Queue (DeQueue)
3. Display the content
4. Exit

Enter the option :