```
Command Prompt                                                    —    □    ✕

Microsoft Windows [Version 10.0.18362.720]
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C:\Users\Aggggggggg>cd C:\Borland\BCC55\Bin

C:\Borland\BCC55\Bin>bcc32 queue.cpp
Borland C++ 5.5.1 for Win32 Copyright (c) 1993, 2000 Borland
queue.cpp:
Turbo Incremental Link 5.00 Copyright (c) 1997, 2000 Borland

C:\Borland\BCC55\Bin>queue
Queue 1: ascending
Front=> 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 <=Rear
Queue 2: descending
Front=> 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 <=Rear

C:\Borland\BCC55\Bin>
```

```c
int main (void)
{
//      Local Definitions
        QUEUE* queue1;
        QUEUE* queue2;
        int*   numPtr;
        int** itemPtr;

//      Statements
        // Create two queues
        queue1 = createQueue();
        queue2 = createQueue();
        for (int black = 10; black <= 30; black++)
           {

                numPtr  = (int*)malloc(sizeof(black)); // set pointer to memory
                *numPtr = black;
                enqueue(queue1, numPtr);


           } // for
        for (int black = 30; black >= 10; black--)
           {

                numPtr  = (int*)malloc(sizeof(black)); // set pointer to memory
                *numPtr = black;
                enqueue(queue2, numPtr);


           } // for
        printf ("Queue 1: ascending \n");
        printQueue (queue1); // 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
        printf ("Queue 2: descending \n");
        printQueue (queue2); // 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10
        return 0;
}
```