

When do you get error message "Queue overflow" and "Queue underflow"? Explain with example.

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Queue overflow results from trying to add an element onto a full queue and queue underflow happens when trying to remove an element from an empty queue. A bounded queue is a queue limited to a fixed number of items.

```
void enqueue(int value) {  
    if(rear == SIZZ-1)  
        printf("\nOverflow. Queue is Full.");  
    else{  
        if(front == -1)  
            front = 0;  
        rear++;  
        queue[rear] = value;  
        printf("\nInsertion was successful");  
    } }  
void dequeue() {  
    if(front == rear)  
        printf("\nUnderflow. Queue is Empty.");  
    else{  
        printf("\nDeleted item is: %d",  
            queue[front]);  
        front++;  
        if(front == rear)  
            front = rear = -1;  
    } }
```