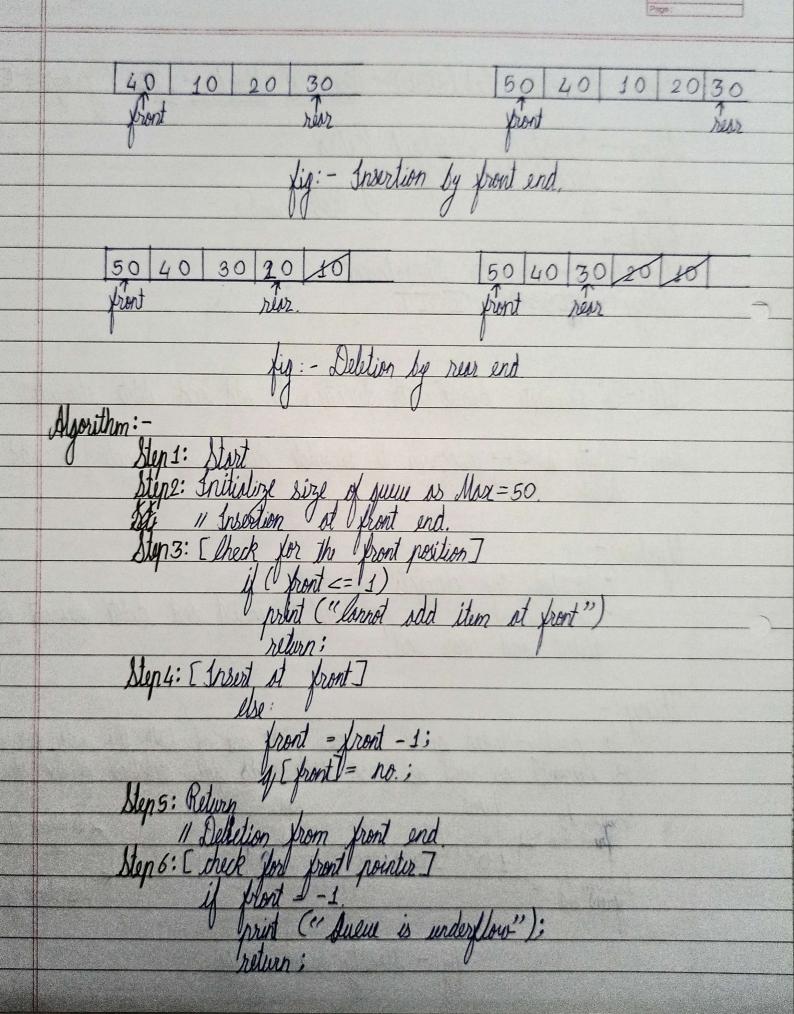
| * | Data Structure Lab (DSL):- Practical Number - 182 (group - E) |
|---|--|
| | Name: - Kaustulh Shrikant Habra |
| | Class: - Second Year Engineering. Div: - A Roll Number:- |
| | Batch: - Department: - lomputer Department. Pollege: - AISSMS's TOIT. |
| | Pollege: - AISSMS'S TOIT, |
| | 7.11 . 7 . 12 1 . 4 . 1 . 4 . 1 . 1 . 1 . 1 . 4 . 4 |
| | Title:- To simulate deque with function to add and delite elements. |
| | Aim: - Write a C++ program to simulate degree with function to add and delate elements. |
| | Ahintin:- |
| | · To study the concerts of deque. • To understand the operation to insert and delete element from front and rear end. |
| | front and relar and. |
| | Thery: |
| | In doubly- ended guess we can make use of both the ends for insertion |
| | Sweeten dy front rear lettion by front rear and |
| | 1, 110 20 30 40 |
| | dieletion by reve end |
| | fig: - Doubly ended queue. |



```
Step 7: [ Perform deletion]
                   no = g [ front]
t (e Deletion element is", no.);
             else:
Step 8: [ Preck
                    print ("Aueue is overflow");
                     rear = rear +1;
                   er and front pointer]
rear = 00
                     rear = 1;
 Step 10: [ Sheek for the rear pointer]

if rear = 0

print (" larnot delete value at rear");

return;
  Step 11: [ Check for and perform deletion ]
                    no = g[rear];
front = rear
front = rear = 0;
```

else rear = rear-1; print ("Deleted element is", no.); Retwin.

Program: -

Patrut: -

Conclusion:Cerformed enque and deque operation on double-ended Queue.