Pseudo Code

Date No.

Queue Implementation

Queue of size MAX
front & rear → -1

```
insert(x)
{
  if (rear == MAX-1)
     Queue overflow
  else
   if (front == -1)
    front = 0;
    rear = rear + 1
     Q[rear] = x
  }
delete()
{
  if (front == -1 || front > rear)
       Queue underflow
  else
     print Q[front]
       front = front + 1
```

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```
if (front > rear)
    front = -1
    rear = -1

display()
{
    int i
    if front (== -1)
        print " Q is empty!"
    else
    {
        for (i = front; i <= rear; i++)
            print Q[i]
    }
```