```
int A[n]
front=-1, rear=-1.

~~int~~ IsFull()
{ if (front==(rear+1)%n) || (front=0 && rear==n-1)
  return true
  else
  return false
}

IsEmpty()
{
  if (front==-1 && rear==-1)
  return true
  else
return false
}

Enqueue (int ele)
{ if(IsFull())
  print 'Queue is full'
  else
  { if(front==-1 && rear==-1)
      ~~rear=rear~~ front=rear=0;
      rear=(rear+1)%n;
      A[rear]=ele
  } print item inserted
```

```
Dequeue ()
{ if(IsEmpty))
   print "Queue is empty"
  else
   { e = A[front]
     if( front == rear)
     { front == -1
       rear == -1
     }
   else
       { front = (front+1) % n }
   print ( Element deleted )
}

Display()
{ if( IsEmpty))
   print 'Queue is empty'
  else {
    { for( i=front; i ≤ rear ; i++ )
        print A[i]
    }
  }
```