Queue Pseudo Code

→ Create an array → A[size]

→ Initialise front = -1, rear = -1

→ IsFull()

```
{ if (rear == (size-1))
   return True;
else return False;
}
```

→ IsEmpty()

```
{ if (front == -1 && rear == -1)
   return True;
   else return False;
}
```

```
Enqueue (x)   \\ to add at the rear
{
   if (IsFull())
     printf ("Full");
   else if (IsEmpty())
     {
       rear = front = 0;
       a[rear] = x;
     }
   else
     rear++;
     a[rear] = x;
}

Dequeue ()
{
  if (isEmpty())
    printf("Q is empty");
  else if (rear == front)
    { a[front] = x;
      front = rear = -1;
    }
   else
     a[front] = x;
     front++;
}
```