Insertion Circular Q

INSERT-ITEM( QUEUE, FRONT, REAR, MAX, COUNT, ITEM)

This algorithm is used to insert or add item

into circular queue.2 pointers are used i..e Rear and Front. Max is total size of the stack.

If ( Rear = MAX ) then

Display “Queue Full”

else

if Rear=0 & F=0 then

F=1

End if

REAR := REAR + 1;

QUEUE(REAR) := ITEM;

COUNT := COUNT + 1;

End if

return;