Exp 8A

ticket booking
- To display available seats
- To book and cancel seats

Input :
Row no and seat no to book seat

outcome :
- Display available seats to book movie ticket
- Display status of booked seat / cancel seat

Theory :
circular Doubly linked list : (write cDLL theory in details i.e. definition, concepts, advantages, disadvantages)
- Doubly circular linked list as an ADT: (write pseudo code for each operation)

Algorithm :
(Write your own algorithm for your programe)

Flowchart :
(Draw your own flowchart for your algorithms)

conclusion :

By this way, we can book of correct movie
ticket using doubly circular linked list.

Algorithm:
Function to Insert at the end def In def insert
    global char
# if the list is empty create q
# single node circular linked list
        if (start == none)
            new-node = node(0)
    new-node. data = value
    new-node-next = new-node prev = new node

    start - new - node
        return
# if list is not empty
# find last node *
    last = (start) prev
# create node dynamically.
        new - code = node(0)
        new - node. data = value
start going to be next of new-node

new_node data = value
make new_node previous of Start
  (Start). prev = new. node
make last previous of new node.
    new.node prev_last
make new node next
    last next = new node
This code is contributed.

Flowchart :


```
           ( void display ( I list ( ) )

              Struct node * tmp;
              Int n=1,

                 Sincode = Null ?

            imp= stnode
            PrintF = (" \n\n Data entered in list are = \n"

            Print p( "No data found in true list yet");

            print F ("Data %d = %d \n", n
                    tmp → num);
            tmp= tmp → next ptr. n++

                            tmp1 = stnode ?

        ( END )
```