include < Stolio h> #Finchuale < String-h> Hinclude & Stalib-hr #define MAX 4. int pay [MAX]; int wint =0; void insert (int data) ij (count = = MAX) retuen;

-if queue is empty.

if (want == 0) pay Court ++] = data; start from right/bottom end of if Cata < pq. [i]) if data is small ehift up/ night for Cint i = count -1; i = 0; i--) pa Li +1 J = pa CiJj or, of daily balanced diet.

inuiting the ship pay[iti] = data; count ++; int removeData () setusn pay[d++]; void display () if (count = =0) Pf (" Queue is empty"); * for Ci = d:, ix wunt; i++) Pf(": 1.d", pq[i]); int main ()

int choice, item; printfl" 1. Insert 2. Delete 3. Display 4. Exit! p[(" " " suter choice"); suitch (choice) case i ff (" Suter item"); of M. (.d", &iram); meetData [item] item = semonedad); if (item = = -1) log c'' queue is impty \n'']. pf C" Item deleted from queen - 1.d", item bylak, case 3: display (); default: exit (0);

3:DISPLAY
4:EXIT
Enter the choice :1
Enter the item to be inserted :
Queue overflow

1:INSERT_ELEMENT
2:DELETE_ELEMENT
3:DISPLAY
4:EXIT
Enter the choice :3
Contents of queue: 8 23 56

1:INSERT_ELEMENT
2:DELETE_ELEMENT
2:DELETE_ELEMENT

OBL

3:DISPLAY

Enter the choice :