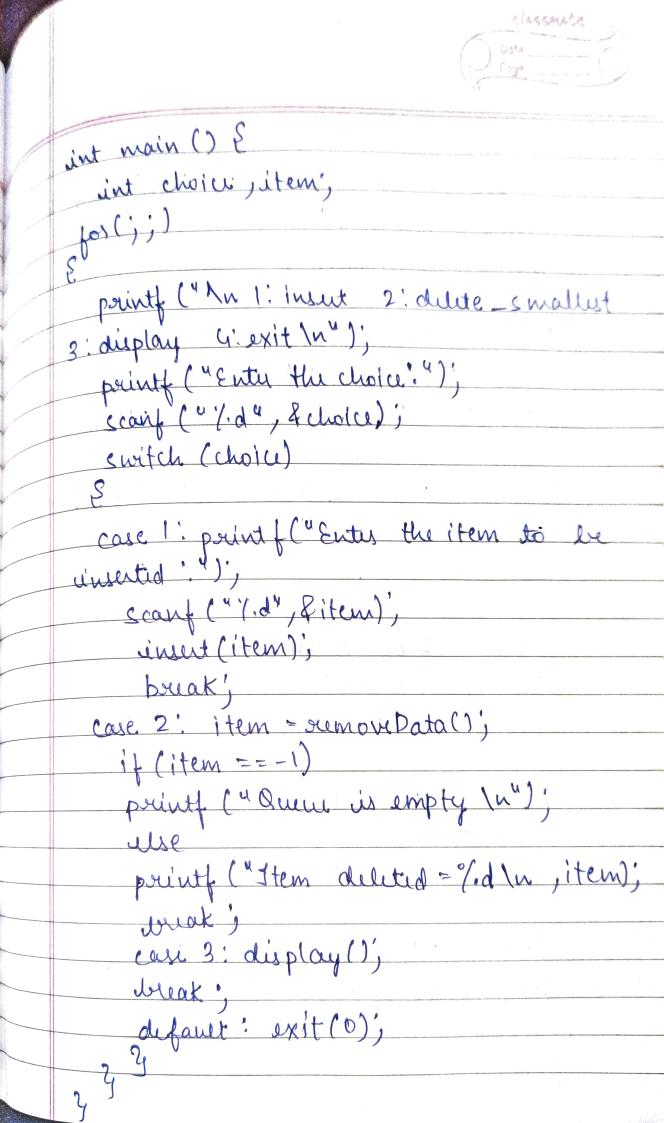
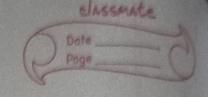
Remained Priority classmate Hinclude (stdio.h) #include Ketring. W #include < stdlib. h> # define MAX 4 int pa CMAXI, int count =0; int front = 0; void insert (int data) & int i = 0; if (count == MAX) ("al walfrage sump") fring retury; if (count = =0) & pg [wurd+t] =data'; ulse & for (i=count -1; i>=0; i--) { if (data < pq[i]) & Palit I] = palij) & pg [it I] = pg [i]; ulse break'

pq[i+i] = data; count ++; int remove Data () ? if (court ==0) outwin -1', if (front > = count) return -1', setwin pas front ++3; void display() & unt i', if (0== true) fi point f("Queue is empty \n"); " neuture 21 print ("Contents of queue: "); ; ([i]pq, "b.") ftriveq

print f ("In");





Out put l'insert 2: debte smallest 3: display (i'exis Enter the choice ! 2. Que is empty. l'insert 2: delete smallest 3: dis play 4: exis Enter the choice: 1 Enter the item to be inserted: 10. 1: insert 2: delite smallet 3: display liert Enter the choice: 1 Enter the item to be injected: 2. 1: injut 2: delete smallest 3: display 4'exit Enter the choice! Enter the item to be inserted ! I 1: inset 2: delete smallest 3: display 4: exit Enter the choice: 3. Contents of the quine: 25.10

l'insut 2 delete smallet 3: display 4' wit item deleted = 2.