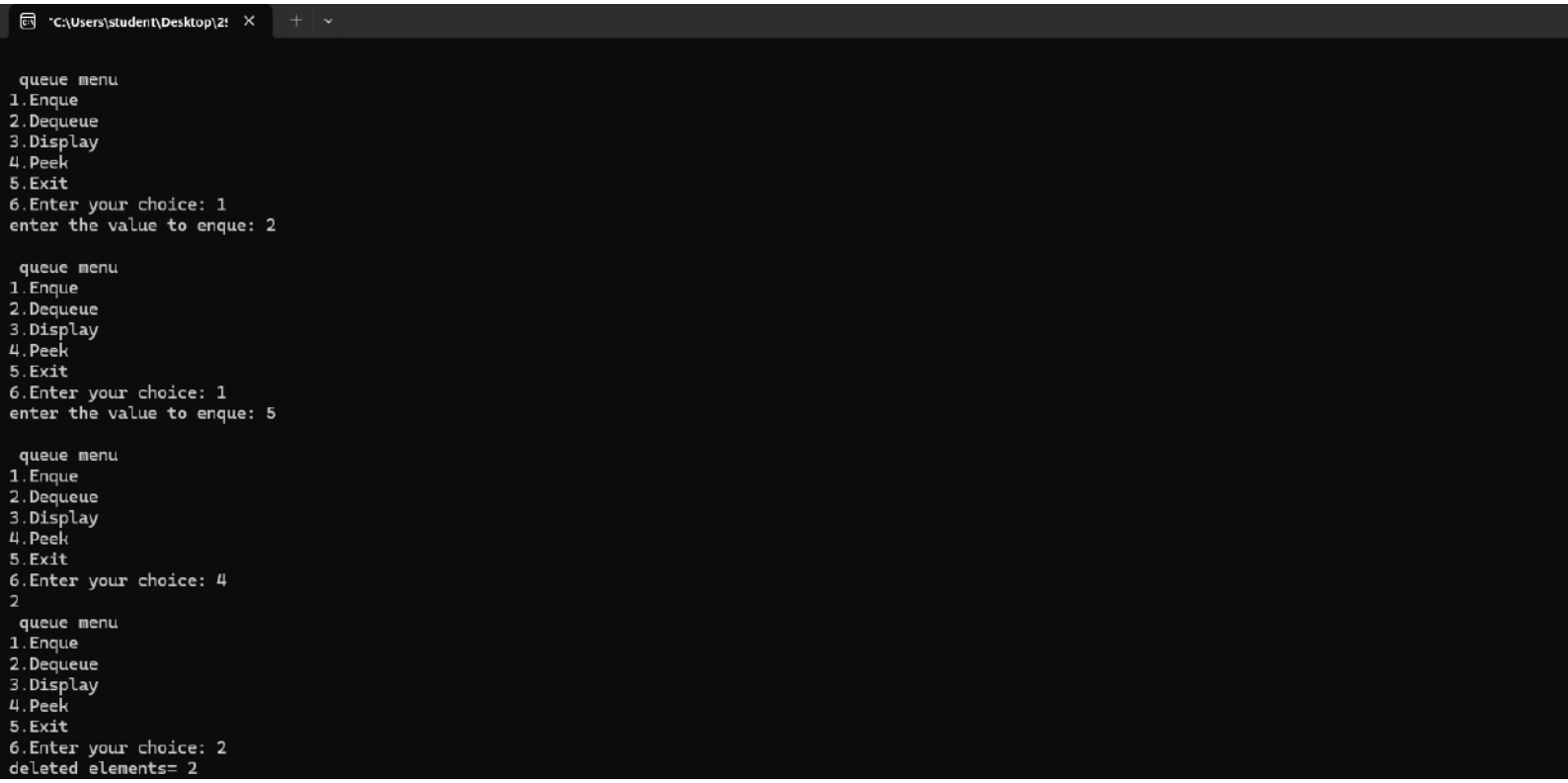
C:\Users\student\Desktop\2
queue menu
1.Enque
2.Dequeue
3.Display
4.Peek
5.Exit
6.Enter your choice: 1
enter the value to enque: 2
queue menu
1.Enque
2.Dequeue
3.Display
4.Peek
5.Exit
6.Enter your choice: 1
enter the value to enque: 5
queue menu
1.Enque
2.Dequeue
3.Display
4.Peek
5.Exit
6.Enter your choice: 4
2
queue menu
1.Enque
2.Dequeue
3.Display
4.Peek
5.Exit
6.Enter your choice: 2
deleted elements= 2

Q) WAP to simulate the working of a queue of integers using an array. Provide the following operations: Insert, Delete, Display The program

pseudocode:-

```
# define N 5
int queue [N]
front = -1
rear = -1 (void enque)
if rear = N-1 print "Queue overflow"
elseif front = -1 && rear = -1
    front = rear = 0
    queue [rear] = x
else rear + 1
    queue[rear] = x;

(Void deque)
if (front = -1 && rear = -1)
print "queue is empty"
else(i = front, i <= rear+1; i++){for
if (front == rear)
    front = rear = -1;
    else print ("Deleted elements = %d
    front +++ :
```