

In this exam you are implementing a program used to manage a doctor queue.
Important points you need to consider:

1. You are implementing a queue of clients **using an array**
2. You need to use **a structure called client**. Every client will have a first name, last name and a ticket number
3. Your queue can hold **at most 10 clients**
4. **No Global Variables**
5. **Keep an eye on the variables that will be changed when you execute your functions**

You need to implement the following functions:

1. Load_initial_list(): I am providing you with a file called clients_appt.txt that holds the name of the clients who already took an appointment hence they need to be the first ones to serve. Please note that the names are stored in the file from first client who reserved a sit to the last one. The clients in the file are added to the queue using Enqueue() described next. Please free the content of the file once you add the appointment clients to the queue
2. Enqueue(): a function that you will use to add a new client to the queue: remember clients are added using the rear of the queue. Make sure that you assign an automatic ticket number to every new client.
 - a. Please return 1 upon a successful enqueue, 0 otherwise
3. Dequeue(): a function that you need to use to release a client(if any) from the queue: remember clients are released from the front of the queue.
 - a. Please return the name of the client, if any, who will be served.
Otherwise return the word "EMPTY"
4. Drop_client(): well sometimes, because of a reason or another, a client may decide to leave before being served. This function will search for the client then remove him/her from the queue. Consider what needs to be changed!