Task 3

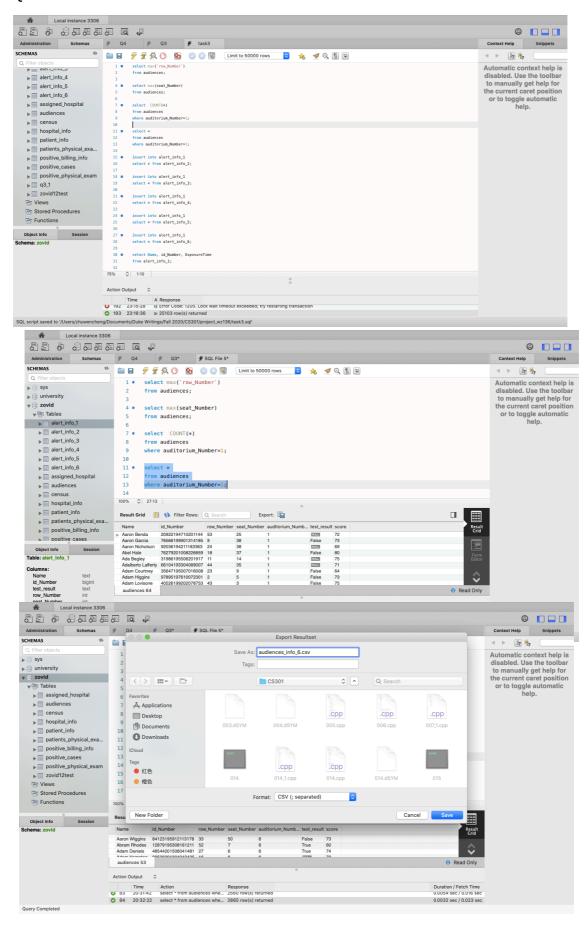
Question 1

Outputs:

Auditorium1: 53 seconds Auditorium2: 70 seconds Auditorium3: 57 seconds Auditorium4: 36 seconds Auditorium5: 50 seconds Auditorium6: 61 seconds



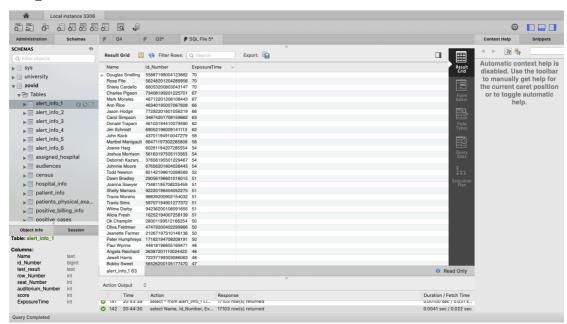
Question 2:



- 1. Select part of the table where the auditorium number is 1, and export csv file named as audiences_info_1.csv.
- 2. Run the c++ code where on line 291, read_csv("audiences_info_1.csv") and on line 367, write_csv("alert_info_1.csv" , result, test).
- 3. The number cout is 53, which is the minimum number of seconds that must elapse until all the audiences in auditorium 1 have been infected.



- 4. Repeat step 1-3 for auditorium 2 to 6.
- 5. In MySQL, use Table Data Import Wizard, import alert_info_1.csv, alert_info_2.csv, alert_info_3.csv, alert_info_4.csv, alert_info_5.csv and alert_info_6.csv.
- 6. Insert alert_info_2 to 6 after table alert_info_1.
- 7. Select Name, id_Number, ExposureTime from alert_info_1. Export the table as alert_info.csv.



8. In the alert_info.csv excel file, order the rows according to descending order of ExposureTime and delete rows with ExposureTime of NULL.