Advanced Database Concepts - Day 1 Assessment

Instructions:

1. Upload a single PDF file that contains the queries along with screenshots of the outputs.

2. The file should be named YourName_ADC1.pdf

3. This will be a graded assessment. The total marks are 15 - one mark per query.

Notes:

1. You need to follow all the steps mentioned below in the same order to finish the assessment.

2. All the steps are to be performed using queries only. Do not use the GUI interface.

3. You must use PostgreSQL as the database for this assessment.

Assessment:

You are building the database for a company that organises events all around the country. The events range from birthday parties to weddings to book launches, etc.

Question 1. Create a new database called "eventloop". This is the name of the company.

Question 2. Add a "userdetails" table which contains the registered user data - user id(primary key), user name, user mobile number, user email, user city, user date of birth

Question 3. Add an "events" table which contains the data of all events - event id(primary), event name, event type(birthday, wedding, corporate, training, other), event date (could be a past or a future date), event organiser (connect this to user id as a foreign key), event venue, event city, event budget

Question 4. Add a "logistics" table which contains data of all logistics required for an event - logistics id(primary), event id(connect this to event id as a foreign key), logistics supplier, logistics cost, logistics status (pending, ordered, delivered), logistics description

Question 5. Edit the "logistics" table to include one more column "logistics order date"

Question 6. Import data from the 3 CSV files attached with the assessments into the 3 corresponding tables

Question 7. Display the details of all events scheduled for the month of December 2021

Question 8. Display the details of all pending logistics where the cost is more than Rs. 5,000

Question 9. Display the count of all users who are based in Mumbai and have birthdays in the next 30 days

Question 10. Edit the details of the user with id 5 and modify their city to Bangalore

Question 11. Display the details of logistics which are ordered but not yet delivered for all events with type corporate. Use the concept of Joins.

Question 12. Display the details of all users who are the event organisers for all events with budget more than Rs. 50,000. Use the concept of joins.

Question 13. Display the details of all events happening in "Nagpur" where the event type is either "corporate" or "training". Use the concept of sub queries.

Question 14. Show the list of all tables in the database.

Question 15. Delete all tables from the database.