

# SQL Assignment

## Assignment -1:

### Problem1: INTRO TO TABLES AND DATABASES (E-Commerce)

Imagine you are the lead data analyst at e-commerce. You are working with user data (personal information), their order-related information (what was ordered, when it was ordered, when it was shipped, when it was delivered, etc.), and product-related information (name, price, which orders it belongs to, who supplies it, etc.). Think how you can present this data in relational tables - design an extensive database (extensive meaning - think of all possible sorts of data you would like storing in your database tables) for storing all relevant data to your business.

Use Google Spreadsheets / MS Excel to create your tables and define their relationships amongst each other. Do not forget to cover all the elements required to design a database (recall what we did in class).

Submit a pdf file as the final submission.

### Problem2: INTRO TO TABLES AND DATABASES (Swiggy)

Imagine you are an analyst at Swiggy. You are dealing with millions of data records that keep growing daily - design an extensive database for storing all user and order-related data.

Use Google Spreadsheets / MS Excel to create your tables and define their relationships amongst each other. Do not forget to cover all the elements required to design a database (recall what we did in class).

Submit a pdf as the final submission.

## SQL Assignment 2 - CREATING, READING AND UPDATING DATA

### Problem1: Details of your family members

Make a table in your SQL Database with details of your family members, give the table any name, and create the following columns:

1. First Name
2. Last Name
3. Phone Number
4. Relationship with you (Brother, Sister, Father, etc.)

a. Now, enter 5 rows with different values for the respective columns.

b. Update your phone number as 9909908888.

c. Update the last name of any family member as a blank cell.

(Copy and paste your entire query and the screenshot of the output in a word file. Convert the word file to PDF and submit it).

### **Problem2:**

To download the data set, [Click Here](#):

1. Update the values in country column wherever you find 'UK' to United Kingdom.
2. For the person with user name Kareemshah6, update the score to 100.
3. Update the Name Shubham\_Ghate to Shubham Ghate.
4. Identify the 15th Person from India and update his country to Australia.

(Copy paste your entire query and the screenshot of output in a word file Convert the word file to PDF and submit)

## **SQL Assignment 3: DELETE, WHERE, COUNT**

### **Problem1:**

To download the data set, [Click Here](#):

1. Import Worker.csv Dataset:
  - a. Write an SQL query to fetch all values of DEPARTMENT from the Worker table.
  - b. Write an SQL query to print all Worker details from the Worker table.
  - c. Write an SQL query to print details of Workers with DEPARTMENT name as "Admin".|
  - d. Write an SQL query to print details of the Workers whose SALARY lies between 100000 and 500000. (Use the 2 different methods discussed in class).
  - e. Write a SQL Query to delete all records of workers from the department names HR.

(Copy paste your entire query and the screenshot of output in a word file Convert the word file to PDF and submit)

### **Problem2:**

To download the data set, [Click Here](#):

What will be your SQL Query to get the following?

1. Get details of all customers from United States.
2. Get records of customers whose phone number starts with 9? (Apply only what has been taught!).
3. Get the count number of customers from Germany.

4. Get count of number of customers whose details are stored in this table.
5. Count number of customers whose last name is James.
6. Count the number of customers whose first name is Aaron.
7. Get the record of a customer whose name is Jonathan Calvin.
8. Get the details of customers whose IDs lie in the range 57282 and 57304.
9. Count the number of customers whose IDs lie in the above-given range.
10. Count the number of customers whose phone number starts with 8.

(Copy paste your entire query and the screenshot of output in a word file. Convert the word file to PDF and submit)