

CSE4126: Distributed Database Systems Lab

Online 2: Section B2

Marks-10

A database schema of a restaurant management system is given as follows:

Customer(*cID*: integer, *cname*: string, *phone*: string)

Server(*sID*: integer, *sname*: string, *shiftID*[FK]: integer)

Food(*fID*: integer, *fname*: string, *price*: integer)

ShiftDetails(*shiftID*: integer, *duration_hours*: integer)

Orders(*oID*: integer, *sID*[FK]: integer, *cID*[FK]: integer, *fID*[FK]: integer, *orderPlaced*: timestamp)

A database file(**database.sql**) containing some preliminary data has been provided. You have to run the sql file first. Then you have to write a query in PL/SQL that solves the question given as follows:

Question:

Take customer ID (*cID*) as user input.

- If it is valid, show who the servers were for the last 2 orders they placed at the restaurant. Also, show the total amount of money they spent at the restaurant overall. Do both tasks using functions. *[marks: 5]*
- If it is invalid, insert a row into the customer table for that *cID* using procedure. Make sure to autoincrement *cID* using trigger. *[marks: 5]*