

# Assignment 3 - SQL

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Assignment 3 - SQL

## Assignment 3 - SQL

Define the schema for the following databases with specific data type and constraints, the table name and its fields name are to be taken from database description which are given below :

1. A database is being constructed for storing sales information system. A product can be described with a unique product number, product name, selling price, manufacturer name. The product can sale to a particular client and each client have it own unique client number, client name, client addresses, city, pin code, state

and total balance to be required to paid. Each client order to buy product from the salesman. In the order, it has unique sales order number, sales order date, client number, salesman number (unique), billed whole payment by the party or not and its delivery date. The salesman have the name, addresses, city, pin code, state, salary of

the sales man, delivery date, total quantity ordered, product rate.

1.1. Write the SQL queries for the following –

- Retrieve the list of names and the cities of all the clients.
- List the various products available.
- Find the names of all clients having 'a' as the second letter in their names.
- List all the clients who are located in KATHMANDU.
- Find the products whose selling price is greater than 2000 and less than or equal to 5000
- Add a new column NEW\_PRICE into the product\_master table.
- Rename the column product\_rate of Sales\_Order\_Details to new\_product\_rate.
- List the products in sorted order of their description.

(i) Display the order number and date on which the clients placed their order.

(j) Delete all the records having delivery date before 25th August, 2014.

(k) Change the delivery date of order number ON01008 to 16-08-14

(l) Change the bal\_due of client\_no CN01003 to 1200

(m) Find the product with description as 'HDD1034' and 'DVDRW'

(n) List the names, city and state of the clients not in the CITY 'KATHMANDU'

(o) List of all orders that were canceled in the end of March.

Patients - indoor/outdoor, medicines/lab tests(including results) prescribed to patients, information if a patient if referred to other expert/hospital.

Doctors - specialization, patients attended etc. Different wards/beds and patients allotted to them etc. Patient registration form should include Registration number, Patient name, Address, Gender, Bed number, date of registration, refer doctor id etc.

Doctor information should include Doctor code, Doctor Name, Specialization etc. Lab test information should include Test name, test number, test date, results and referred doctor's code.

Bed information should include bed number, ward number and status(whether allotted or not).

Queries :

- Display the details of patients admitted between '20-jul-14' and '20-aug-14'.
- Change the name of the patient to 'Ram' whose patient id='PT011'
- Display the names of the patients and lab test results performed on '20-jul-14'.
- Display the number of patients taking treatment under doctor ='ABC'.
- Retrieve the name of doctor who is taking care of maximum number of patients.
- Change the bed number of the patient to 456 where patient id='PT023'
- Change the status of bed with bed number 123 with 'not allotted'.
- List the bed details which are free in ward number 10.
- List the name of male patients in ward no 13 taking treatment under doctor

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'XYZ'

j) List the details of patients with age more than 50 taking treatment under a doctor, whose name like 'shrestha'.

### Submission status

Submission status	No attempt
Grading status	Not graded
Due date	Monday, 22 September 2014, 12:00 PM
Time remaining	4 days 23 hours

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