

Database Technologies – Assignment 8

Note: To solve below queries use “sales” database

Create appropriate indexes to solve following problems.

1. Create an index that will enable a user to pull orders for '1990-10-03' out of the Orders table quickly.
2. If the Orders table has already been created, how can you force the onum field to be unique (assume all current values are unique)?
3. Create an index that would permit salesperson to retrieve his orders.
4. Create an index to speed up searching order on a given date by given customer.

Note: use “sales” database to solve below queries

Implement following constraints as given in question.

5. Write a SQL statement to add a primary key for the columns **SNUM** in the **SALESPEOPLE** table.
6. Write a SQL statement to add a primary key for the columns **CNUM** in the **CUSTOMERS** table.
7. Write a SQL statement to add a foreign key on **SNUM** column of **CUSTOMERS** table referencing to the primary key **SNUM** of **SALESPEOPLE** table.
8. Create DEPT table with **deptno** as Primary Key.