CS333-Application Software Development Lab

List of Experiments

1. Create a book store database containing the details of book, customers and sales. The schema is as follows

   Customer (Cust_id, Cust_name, Cust_phone)

   Book (Book_id, Title, Authorname, Unit_price, Publisher)

   Sales (Cust_id, Book_id, Order_date, Quantity)

   i. Calculate the sales for a financial year? (Make use of key constraints)

   ii. Display publisher wise total price of books published, except for a particular publisher

2. Create an Employee table for the following fields

   (Empno, Empname, Empaddress, salary, dept)

   i. Calculate the total of the salary field

   ii. List the count of employees who have salary less than 5000

   iii. Find the details of employee having maximum salary

   iv. Calculate average of salary

3. Create Student table for the following fields:

   (Studentno, studentname, maths, physics, chemistry, C-programming, Department, Address)

   i. List the studentno and studentname who is having marks less than 50 in C-programming in ascending order of their marks

   ii. List the studentno and studentname of same department

   iii. List the name of students whose name starts with ‘S’

4. Consider the following tables namely “Department” and “Employees”

   Their schemas are as follows

   Departments (dept_no, dept_name, dept_location)

   Employees (emp_id, emp_name, dept_no, emp_salary)

   i. Display the employee details, departments that the departments are same in both the employees and department

   ii. Display the employee detail whose departments are not same in both the employees and departments

   iii. Display the details of those who draw the salary greater than the average salary

   iv. Display all the department numbers available with the department and employee tables avoiding duplicates

v. Display all the department numbers available in employee and not in department tables and vise versa

5. Create
   i. Views for student table containing studentno, studentname, department, address
   ii. Views for student table containing studentno, studentname, marks of subjects.
6. Create table based on the following schema

   Item (itemid, idesc, qty_on_hand, price, category)

   Sales (Sid, itemid, qty_sold, price, total)
   i. Create trigger for calculating total in sales table while inserting values
   ii. Create a trigger to calculate the stock of an item after sales of an item
7. Implement a banking environment with following table, procedures and function.

   create a table cust_details having attributes acc_no,acc_type,name,address,balance
   The account_type field will accept ONLY two values **saving** and **current**.
   if the account type is saving then the minimum balance should be RS.1000 however there is no minimum balance condition for the current account.
   create **two procedures**
   credit(acc_no,amount)
   debit(acc_no,amount)
   create a **function** to get the **balance** details of a bank account.
   Display appropriate messages of every operations and errors.