

## SQL Queries

a) Create a table "**Department\_Master**" with the following fields

department\_id – int, primary key, identity field

department\_code – varchar(10)

department\_Name – varchar(255)

department\_Location – varchar(255)

department\_Status – bit

b) Populate the table with the following data

| department_id | department_code | department_Name  | department_Location | department_Status |
|---------------|-----------------|------------------|---------------------|-------------------|
| 1             | IT              | Information Tech | Mysore              | 1                 |
| 2             | MAR             | Marketing        | Mysore              | 1                 |
| 3             | HR              | Human Resource   | Mysore              | 1                 |
| 4             | DEV             | Development      | Mysore              | 1                 |

c) Create an Employee table "**Employee\_Details**" with the following fields

staffid – int, primary key, identity field

firstname - varchar(50)

lastname - varchar(50)

mailid - varchar(100)

reportingto - int

department\_code – int (foreign key)

phone - varchar(50)

mobilenumber - varchar(50)

employedcountry - varchar(50)

employedcountry - datetime

dateofjoining - datetime

city - varchar(50)

salary – numeric(10,2)

| staff id | firstname | lastname | mail id | reporting to | department _code | phone | mobile no | country | date of birth | date of joining | city | salary |
|----------|-----------|----------|---------|--------------|------------------|-------|-----------|---------|---------------|-----------------|------|--------|
| 1        | Abhishek  | Kumar    |         | 1            | 1                |       |           |         |               |                 |      |        |
| 2        | Arjun     | Verma    |         | 1            | 1                |       |           |         |               |                 |      |        |
| 3        | Nihir     | A        |         | 1            | 1                |       |           |         |               |                 |      |        |
| 4        | Sohail    | Z        |         | 3            | 2                |       |           |         |               |                 |      |        |
| 5        | Ravi      | R        |         | 3            | 2                |       |           |         |               |                 |      |        |

Fill the details appropriately and write queries for the following:

1. Select employee details whose department\_Name = 'Marketing'
2. Update salary of employees whose dateofjoining is greater than 1/1/2008
3. Insert employee details to another table.
4. Select all the employees where employee salary is greater than the maximum salary of department 'Marketing'
5. find average salary of each department and display records in the format department\_code, Department\_Name, Average Salary
6. Find the Max, min salary and display records in the format  
staffid, firstname, lastname, salary
7. Calculate DA (50% of salary), Professional tax(5% of salary), Net Salary(salary + DA - Professional tax)
8. Select departments having more than 2 employees
9. Alter table "Department\_Master" to change the "department\_Name" from varchar(20) to varchar(40)
10. Alter table to add a column "Department\_Manager" to the "Department\_Master" table
11. Alter table to drop the column "Department\_Manager" to the "Department\_Master" table
12. update employee set salary = salary + 1000 when dateofjoining is between '1/1/2005' to '1/1/2010'
13. Delete records from "Department\_Master" where department\_Status = 2

14. Display employee name and his/her manager name.
15. Select all employee whose city is same as department\_Location.

### Stored Procedures

1. Write a Stored Procedure for the following
  - a. To get the details of the all the employees
  - b. To get all the details of a department
  - c. Adding a new Department to the **Department\_Master** table. The SP should accept parameters @DeptCode, @DeptName, @DeptLocation and @Status.
  - d. Adding a new Employee. The SP should accept parameters @firstname, @lastname, @mailed, @reportingto, @department\_code, @phone, @mobilenumber,@ employedcountry, @dateofjoining,@city,@salary. The Sp should return The Employee ID (staffed)
  - e. Updating the Employee details. The SP should accept parameters @staffid, @firstname, @lastname, @mailed, @reportingto, @department\_code, @phone, @mobilenumber,@employedcountry, @dateofjoining,@city,@salary.
  - f. To update the salary of employee with starffid 1.condition for updating is
    - If work experience is greater than 3 year, then give a hike of 20%
    - Else if less than 3 years, then give a hike of 10%(Use if – else statement)
  - g. To display Employee Name , years of experience