

## 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