

## Labsheet 1

### PMDS506P Database Management systems.

Q1. Create a table EMPLOYEE with the following schema. Decide the appropriate datatypes that can be used and construct the table.

(Emp\_no, E\_name, E\_address, E\_ph\_no, Dept\_no, Dept\_name, Job\_id , Salary)

- Add a new column; HIREDATE to the existing relation.
- Drop a column E\_address.
- Change the datatype of JOB\_ID from char to varchar2.
- Change the name of column/ field Emp\_no to E\_no.
- Rename the table to OLD\_EMPLOYEE.
- Drop the table OLD\_EMPLOYEE.

Q2. Create a new table EMP1 with details as shown below.

emp_id	emp_name	job_name	manager_id	hire_date	salary	commission	dep_id
68319	KAYLING	PRESIDENT		1991-11-18	6000.00		1001
66928	BLAZE	MANAGER	68319	1991-05-01	2750.00		3001
67832	CLARE	MANAGER	68319	1991-06-09	2550.00		1001
65646	JONAS	MANAGER	68319	1991-04-02	2957.00		2001
67858	SCARLET	ANALYST	65646	1997-04-19	3100.00		2001
69062	FRANK	ANALYST	65646	1991-12-03	3100.00		2001
63679	SANDRINE	CLERK	69062	1990-12-18	900.00		2001
64989	ADELYN	SALESMAN	66928	1991-02-20	1700.00	400.00	3001
65271	WADE	SALESMAN	66928	1991-02-22	1350.00	600.00	3001

From the table, Write an SQL query

- to find the salaries of all employees.
- to find the unique designations of the employees.
- List the details of employees with no manager\_id.
- List the employees from the department with dept\_id 2001.

Q3. Create a table EMP with the following schema.

(Emp\_no, E\_name, E\_address, E\_ph\_no, Dept\_no, Dept\_name, Job\_id , Salary)

And write SQL queries for following question:

- a. Insert at least 8 rows in the table. (Give the Dept\_no as starting from D1 to D8, Emp\_no as starting from 1 to 8. Use Dept\_name as MAT,PHY,CHY)
- b. Next record in the table should be entered in an interactive way.
- c. Display all the information of EMP table.
- d. Display the record of each employee who works in department D4.
- e. Update the E\_ph\_no of Emp\_no - 2 with current E\_ph\_no as 9.
- f. Display the details of Employee who works in department MAT.
- g. Add a new attribute email\_id and add email ids for all the employees in the table.
- h. Delete the email\_id of employee with Emp\_no = 4.
- i. Display the complete record of employees working in PHY Department.
- j. Display all the employee with salary less than 25000.
- k. Increment the salary of all the employees in the MAT department by 15%.
- l. Display all the information of EMP table.