**Practical code 3**

**Design SQL query for a suitable database application using SQL DML Commands.**

mysql> insert into department values(1,"admin","B1");

Query OK, 1 row affected (0.02 sec)

mysql> insert into department values(2,"account","B2");

Query OK, 1 row affected (0.01 sec)

mysql>insert into department values(3,"IT","B3"),(4,"manufacture","B4");

Query OK, 2 rows affected (0.01 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> insert into department values(5,"Marketing","B5");

Query OK, 1 row affected (0.01 sec)

mysql>select\*from department;

+---------+-------------+----------+

| dept\_no | dname | location |

+---------+-------------+----------+

| 1 | admin | B1 |

| 2 | account | B2 |

| 3 | IT | B3 |

| 4 | manufacture | B4 |

| 5 | Marketing | B5 |

+---------+-------------+----------+

5 rows in set (0.00 sec)

**create table employee(eno int,ename varchar(40),designation varchar(50),salary int, DeptNo int,Qalification varchar(10),DOB date,email varchar(30));**

Query OK, 0 rows affected (0.04 sec)

mysql> desc employee;

+--------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------------+-------------+------+-----+---------+-------+

| eno | int | YES | | NULL | |

| ename | varchar(40) | YES | | NULL | |

| designation | varchar(50) | YES | | NULL | |

| salary | int | YES | | NULL | |

| DeptNo | int | YES | | NULL | |

| Qalification | varchar(10) | YES | | NULL | |

| DOB | date | YES | | NULL | |

| email | varchar(30) | YES | | NULL | |

+--------------+-------------+------+-----+---------+-------+

8 rows in set (0.01 sec)

mysql> insert into employee values(101,"varun","Manger",90000,1,"M.A","1990-01-25","varun12@gmail.com");

Query OK, 1 row affected (0.01 sec)

mysql> insert into employee values(102,"Aditya","Asst.Manager",80000,2,"B.Tech","1994-04-06","aditya321@gmail.com");

Query OK, 1 row affected (0.01 sec)

mysql> insert into employee values(103,"Nick","CFO",75000,3,"M.E","1986-08-30","NULL"),(104,"Ravi","Clerk",60000,4,"HSC","1991-03-16","ravi@gmail.com");

Query OK, 2 rows affected (0.00 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> insert into employee values(104,"Tejas","Manager",90000,3,"MBA","1993-11-08","Teajas123@gmail.com"),(106,"Omkar","Professor",55000,5,"B.Ed","1985-12-26","NULL");

Query OK, 2 rows affected (0.01 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> insert into employee values(107,"Akash","Vice president",70000,2,"PHd","1995-10-13","Akash11@gamil.com");

Query OK, 1 row affected (0.01 sec)

mysql> select\*from employee;

+------+--------+----------------+--------+--------+--------------+------------+---------------------+

| eno | ename | designation | salary | DeptNo | Qalification | DOB | email |

+------+--------+----------------+--------+--------+--------------+------------+---------------------+

| 101 | varun | Manger | 90000 | 1 | M.A | 1990-01-25 | varun12@gmail.com |

| 102 | Aditya | Asst.Manager | 80000 | 2 | B.Tech | 1994-04-06 | aditya321@gmail.com |

| 103 | Nick | CFO | 75000 | 3 | M.E | 1986-08-30 | NULL |

| 104 | Ravi | Clerk | 60000 | 4 | HSC | 1991-03-16 | ravi@gmail.com |

| 104 | Tejas | Manager | 90000 | 3 | MBA | 1993-11-08 | Teajas123@gmail.com |

| 106 | Omkar | Professor | 55000 | 5 | B.Ed | 1985-12-26 | NULL |

| 107 | Akash | Vice president | 70000 | 2 | PHd | 1995-10-13 | Akash11@gamil.com |

+------+--------+----------------+--------+--------+--------------+------------+---------------------+

7 rows in set (0.01 sec)

**1} Find out how many employee works in the organisation**

mysql> select count(eno) from employee;

+------------+

| count(eno) |

+------------+

| 7 |

+------------+

1 row in set (0.01 sec)

**2} Display all the employee names whose salary is between 60000 to 80000**

mysql> select ename from employee where salary between 60000 and 80000;

+--------+

| ename |

+--------+

| Aditya |

| Nick |

| Ravi |

| Akash |

+--------+

4 rows in set (0.00 sec)

3}**Display the list of the employees whose age range is in between 1985 to 1992**

mysql> select ename from employee where DOB between "1985-01-01" and "1992-12-31";

+-------+

| ename |

+-------+

| varun |

| Nick |

| Ravi |

| Omkar |

+-------+

4 rows in set (0.00 sec)

**4] Change the salary of the employee number 106 to 70000**

mysql> update employee SET salary=70000 where eno=106;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

**5] Change the qualification of neck from me to PHD**

update employee SET Qalification="P.Hd" where eno=103;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

**6] Remove the record of the employee 107 from the employee table**

mysql> delete from employee where eno=107;

Query OK, 1 row affected (0.13 sec)

mysql> select\* from employee;

+------+--------+--------------+--------+--------+--------------+------------+---------------------+

| eno | ename | designation | salary | DeptNo | Qalification | DOB | email |

+------+--------+--------------+--------+--------+--------------+------------+---------------------+

| 101 | varun | Manger | 90000 | 1 | M.A | 1990-01-25 | varun12@gmail.com |

| 102 | Aditya | Asst.Manager | 80000 | 2 | B.Tech | 1994-04-06 | aditya321@gmail.com |

| 103 | Nick | CFO | 75000 | 3 | P.Hd | 1986-08-30 | NULL |

| 104 | Ravi | Clerk | 60000 | 4 | HSC | 1991-03-16 | ravi@gmail.com |

| 104 | Tejas | Manager | 90000 | 3 | MBA | 1993-11-08 | Teajas123@gmail.com |

| 106 | Omkar | Professor | 70000 | 5 | B.Ed | 1985-12-26 | NULL |

+------+--------+--------------+--------+--------+--------------+------------+---------------------+

6 rows in set (0.00 sec)