**Assignment 4**

**Creation of Table**

mysql> create table officers(offid int,offname varchar(10), address varchar(20));

Query OK, 0 rows affected (0.91 sec)

mysql> create table student(studid int,studname varchar(10), course varchar(20));

Query OK, 0 rows affected (0.91 sec)

**Insertion of data**

mysql> insert into officers values(1,"Dinesh","Hadapsar");

Query OK, 1 row affected (0.16 sec)

mysql> insert into officers values(2,"Sanket","Bhor");

Query OK, 1 row affected (0.40 sec)

mysql> insert into officers values(3,"Vimal","Faizabad");

Query OK, 1 row affected (0.41 sec)

mysql> insert into officers values(4,"Rahul","Bhor");

Query OK, 1 row affected (0.49 sec)

mysql> insert into student values(1,"Aryan","Java");

Query OK, 1 row affected (0.40 sec)

mysql> insert into student values(2,"Rohini","Hadoop");

Query OK, 1 row affected (0.50 sec)

mysql> insert into student values(3,"Snehal","Mongodb");

Query OK, 1 row affected (0.44 sec)

**Join**

mysql> select officers.offname,officers.address,student.course from officers inner Join student on

officers.offid=student.studid;

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

| offname | address | course |

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

| Dinesh | Hadapsar | Java |

| Sanket | Bhor | Hadoop |

| Vimal | Faizabad | Mongodb |

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

3 rows in set (0.00 sec)

mysql> select officers.offname,officers.address,student.course from officers left Join student on

officers.offid=student.studid;

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

| offname | address | course |

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

| Dinesh | Hadapsar | Java |

| Sanket | Bhor | Hadoop |

| Vimal | Faizabad | Mongodb |

| Rahul | Bhor | NULL |

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

4 rows in set (0.00 sec)

mysql> select officers.offname,officers.address,student.course,student.studname from officers right

Join student on officers.offid=student.studid;

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

| offname | address | course | studname |

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

| Dinesh | Hadapsar | Java | Aryan |

| Sanket | Bhor | Hadoop | Rohini |

| Vimal | Faizabad | Mongodb | Snehal |

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

3 rows in set (0.00 sec)

mysql> create table cust(id int,name varchar(10), age int, address varchar(20),salary float);

Query OK, 0 rows affected (1.05 sec).

mysql> insert into cust values(1,"Ramesh",35,"Ahmedabad",2000.00);

Query OK, 1 row affected (0.51 sec)

mysql> insert into cust values(2,"Nikhil",25,"Delhi",1500.00);

Query OK, 1 row affected (0.40 sec)

mysql> insert into cust values(3,"",25,"Delhi",1500.00);

Query OK, 1 row affected (0.13 sec)

mysql> delete from cust where id=3;

Query OK, 1 row affected (0.14 sec)

mysql> insert into cust values(3,"Kaushik",23,"Mumbai",3500.00);

Query OK, 1 row affected (0.55 sec)

mysql> insert into cust values(4,"Chaitali",27,"Mumbai",4500.00);

Query OK, 1 row affected (0.14 sec)

mysql> insert into cust values(5,"Hardik",27,"Bhopal",5500.00);

Query OK, 1 row affected (0.51 sec)

mysql> insert into cust values(6,"Komal",22,"Kota",5000.00);

Query OK, 1 row affected (0.15 sec)

mysql> insert into cust values(7,"Muffy",24,"Indore",10000.00);

Query OK, 1 row affected (0.14 sec)

mysql> select \* from cust;

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

| id | name | age | address | salary |

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

| 1 | Ramesh | 35 | Ahmedabad | 2000 |

| 2 | Nikhil | 25 | Delhi | 1500 |

| 3 | Kaushik | 23 | Mumbai | 3500 |

| 4 | Chaitali | 27 | Mumbai | 4500 |

| 5 | Hardik | 27 | Bhopal | 5500 |

| 6 | Komal | 22 | Kota | 5000 |

| 7 | Muffy | 24 | Indore | 10000 |

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

7 rows in set (0.00 sec)

mysql> select \* from cust where id IN (select id from cust where salary >4500);

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

| id | name | age | address | salary |

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

| 5 | Hardik | 27 | Bhopal | 5500 |

| 6 | Komal | 22 | Kota | 5000 |

| 7 | Muffy | 24 | Indore | 10000 |

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

3 rows in set (0.00 sec)

mysql> select id,name from cust where salary < ( select salary from cust where name="Chaitali");

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

| id | name |

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

| 1 | Ramesh |

| 2 | Nikhil |

| 3 | Kaushik |

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

3 rows in set (0.00 sec)

mysql> select id,name from cust where salary > ( select salary from cust where name="Chaitali");

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

| id | name |

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

| 5 | Hardik | |

6 | Komal |

| 7 | Muffy |

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

3 rows in set (0.00 sec)

mysql> create table cust\_BKP(id int,name varchar(10), age int, address varchar(20),salary float);

Query OK, 0 rows affected (1.07 sec)

mysql> insert into cust\_BKP select \* from cust where id in (select id from cust);

Query OK, 7 rows affected (0.22 sec)

Records: 7 Duplicates: 0 Warnings: 0

mysql> select \* from cust\_BKP;

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

| id | name | age | address | salary |

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

| 1 | Ramesh | 35 | Ahmedabad | 2000 |

| 2 | Nikhil | 25 | Delhi | 1500 |

| 3 | Kaushik | 23 | Mumbai | 3500 |

| 4 | Chaitali | 27 | Mumbai | 4500 |

| 5 | Hardik | 27 | Bhopal | 5500 |

| 6 | Komal | 22 | Kota | 5000 |

| 7 | Muffy | 24 | Indore | 10000 |

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

7 rows in set (0.00 sec)

mysql> update cust set salary= salary\*0.25 where age in ( select age from cust\_BKP where

age>=27);

Query OK, 3 rows affected (0.17 sec) Rows matched: 3 Changed: 3 Warnings: 0

mysql> select \* from cust;

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

| id | name | age | address | salary |

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

| 1 | Ramesh | 35 | Ahmedabad | 500 |

| 2 | Nikhil | 25 | Delhi | 1500 |

| 3 | Kaushik | 23 | Mumbai | 3500 |

| 4 | Chaitali | 27 | Mumbai | 1125 |

| 5 | Hardik | 27 | Bhopal | 1375 |

| 6 | Komal | 22 | Kota | 5000 |

| 7 | Muffy | 24 | Indore | 10000 |

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

7 rows in set (0.00 sec)

mysql> delete from cust where age in (select age from cust\_BKP where age >=27);

Query OK, 3 rows affected (0.12 sec)

mysql> select \* from cust;

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

| id | name | age | address | salary |

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

| 2 | Nikhil | 25 | Delhi | 1500 |

| 3 | Kaushik | 23 | Mumbai | 3500 |

| 6 | Komal | 22 | Kota | 5000 |

| 7 | Muffy | 24 | Indore | 10000 |

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

4 rows in set (0.00 sec) mysql>