

Assignment of CSE309: MySQL Query

MD. Kazi Iqbal Hossen
sofiul.k.1023@gmail.com

18ICTCSE065
BSMRSTU, Department of CSE

Copyright under Sofifulah Book Agency

25 December, 2022
5:14pm
Version: 0.0.24


```

1  -- create a new database
2  CREATE DATABASE IF NOT EXISTS cse309;
3
4  -- active this database
5  USE cse309;
6
7  -- create table: instructor
8  CREATE TABLE
9  IF NOT EXISTS
10 instructor(
11     ID INT NOT NULL PRIMARY KEY,
12     name VARCHAR(64) NOT NULL,
13     designation VARCHAR(20) NOT NULL,
14     salary INT NOT NULL DEFAULT 10000
15 )
16 ENGINE=INNODB;
17
18 -- alter table: instructor
19 ALTER TABLE instructor
20 ADD joined DATE NOT NULL
21 AFTER salary;
22
23 -- insert data into instructor
24 INSERT INTO instructor (ID, name, designation, salary, joined)
25 VALUES
26     (1, "Dr. Mrinal Kanti Baowaly", "Associate Professor", 50000, "2018-02-01"),
27     (2, "Dr. Saleh Ahmed", "Associate Professor", 45000, "2019-01-01"),
28     (3, "Md. Nesarul Hoque", "Assistant Professor", 38000, "2020-05-10"),
29     (4, "Md. Monowar Hossain", "Assistant Professor", 35000, "2020-10-04"),
30     (5, "Abu Bakar Muhammad Abdullah", "Lecturer", 30000, "2021-10-11"),
31     (6, "Nasif Ahmed", "Lecturer", 28000, "2019-09-15"),
32     (7, "Husnul Ajra", "Assistant Professor", 42000, "2018-08-01");
33
34 -- view data
35 SELECT * FROM instructor;
36 SELECT * FROM instructor
37     WHERE salary>30000;
38 SELECT name FROM instructor
39     WHERE designation='lecturer';
40
41 -- delete data/tuple/row from table
42 DELETE FROM instructor
43     WHERE ID=7;
44
45 -- insert tuple that was just deleted
46 INSERT INTO instructor (ID, name, designation, salary, joined)
47     VALUES (7, "Husnul Ajra", "Assistant Professor", 42000, "2018-08-01");
48
49 -- update data
50 UPDATE instructor
51     SET salary=43000
52     WHERE name='Husnul Ajra';
53
54 -- Query written and organized by: 18ICTCSE065.

```

Listing 1: MySQL Query on cse309.instructor table.