DBMS IN-CLASS ASSIGNMENT 02

Darshana pubudu keerthirathna

ICM 106   OR23106564

--QUESTION 01

ALTER TABLE pets RENAME pets_new;

--QUESTION 02

ALTER TABLE locationDetails ADD location_id varchar(5);

--QUESTION 03

ALTER TABLE locationDetails ADD location_id varchar(5) FIRST;

--QUESTION 04

ALTER TABLE locationDetails ADD region_id varchar(5) AFTER state_province;

--QUESTION 05

ALTER TABLE locationDetails MODIFY COLUMN location_id INT;

--QUESTION 06

ALTER TABLE locationDetails DROP location_id;

--QUESTION 07

```
CREATE TABLE employee(

        employee_Id INT,

        first_name VARCHAR(15),

        last_name VARCHAR(15),

        email VARCHAR(25),

        phone_number VARCHAR(30),

        hire_date DATE,

        job_id ENUM ('Manager','Developer','Sales','HR','Analyst'),

    CONSTRAINT PRIMARY KEY (employee_Id)

);
```

```
mysql> DESC employee;
+--------------+---------------------------------------------------+------+-----+---------+-------+
| Field        | Type                                              | Null | Key | Default | Extra |
+--------------+---------------------------------------------------+------+-----+---------+-------+
| employee_Id  | int                                               | NO   | PRI | NULL    |       |
| first_name   | varchar(15)                                       | NO   | PRI | NULL    |       |
| last_name    | varchar(15)                                       | NO   |     | NULL    |       |
| email        | varchar(25)                                       | YES  |     | NULL    |       |
| phone_number | varchar(30)                                       | YES  | UNI | NULL    |       |
| hire_date    | date                                              | YES  |     | NULL    |       |
| job_id       | enum('Manager','Developer','Sales','HR','Analyst')| YES  |     | NULL    |       |
+--------------+---------------------------------------------------+------+-----+---------+-------+
7 rows in set (0.05 sec)

mysql>
```

```
INSERT INTO employee VALUES(1,'john','Doe','john@example.com','123-456-7890','2022-01-10',1);

INSERT INTO employee VALUES(2,'jane','Smith','jane@example.com','987-654-3210','2022-02-15',2);

INSERT INTO employee VALUES(3,'Michael','Johnson','Michael@example.com','111-222-3333','2022-03-20',3);

INSERT INTO employee VALUES(4,'Emily','Davis','Emily@example.com','444-555-6666','2022-04-25',4);

INSERT INTO employee VALUES(5,'David','Wilson','David@example.com','777-888-9999','2022-05-30',5);

INSERT INTO employee VALUES(6,'Sophia','Brown','Sophia@example.com','222-333-4444','2022-06-05',2);

INSERT INTO employee VALUES(7,'Oliver','Miller','Oliver@example.com','555-666-7777','2022-07-10',5);

INSERT INTO employee VALUES(8,'Ava','Garcia','ava@example.com','999-888-7777','2022-08-15',1);

INSERT INTO employee VALUES(9,'Ethan','Johns','ethan@example.com','333-222-1111','2022-09-20',3);

INSERT INTO employee VALUES(10,'Isabella','Martinez','isabella@example.com','666-777-8888','2022-10-25',4);
```

--QUESTION 08

ALTER TABLE employee DROP PRIMARY KEY;

ALTER TABLE employee ADD PRIMARY KEY(employee_Id,first_name);

--QUESTION 09

ALTER TABLE employee ADD CONSTRAINT UNIQUE (phone_number);

--QUESTION 10

ALTER TABLE employee MODIFY last_name VARCHAR(15) NOT NULL;

```
mysql> DESC employee;
+--------------+-------------------------------------------------+------+-----+---------+-------+
| Field        | Type                                            | Null | Key | Default | Extra |
+--------------+-------------------------------------------------+------+-----+---------+-------+
| employee_Id  | int                                             | NO   | PRI | NULL    |       |
| first_name   | varchar(15)                                     | NO   | PRI | NULL    |       |
| last_name    | varchar(15)                                     | NO   |     | NULL    |       |
| email        | varchar(25)                                     | YES  |     | NULL    |       |
| phone_number | varchar(30)                                     | YES  | UNI | NULL    |       |
| hire_date    | date                                            | YES  |     | NULL    |       |
| job_id       | enum('Manager','Developer','Sales','HR','Analyst') | YES  |     | NULL    |       |
+--------------+-------------------------------------------------+------+-----+---------+-------+
7 rows in set (0.05 sec)

mysql>
```