عرفان رفیعی اسکویی – 98243027

```
mysql> CREATE TABLE PERSON1 (
    -> PERSONID INT UNSIGNED NOT NULL AUTO_INCREMENT,
    -> LAST_NAME VARCHAR(255) NOT NULL,
    -> FIRST_NAME VARCHAR(255) NOT NULL,
    -> BIRTH DATE NOT NULL,
    -> DEATH DATE,
    -> GENDER ENUM("FEMALE","MALE") NOT NULL,
    -> VACCINE_ID INT UNSIGNED,
    -> FOREIGN KEY (VACCINE_ID) REFERENCES VACCINE(VACCINE_ID),
    -> PRIMARY KEY (PERSONID),
    -> INDEX (LAST_NAME,FIRST_NAME)
    -> );
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> CREATE INDEX IDX_GNDR ON PERSON1 (GENDER);
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

```
mysql> DROP INDEX IDX_GNDR ON PERSON1;
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

```
mysql> SHOW INDEXES FROM PERSON1;
```

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Null	Index_type	Comment	Index_comment	Visible	Expression
person1	0	PRIMARY	1	PERSONID	A	0	NULL	NULL		BTREE			YES	NULL
person1	1	VACCINE_ID	1	VACCINE_ID	A	0	NULL	NULL	YES	BTREE			YES	NULL
person1	1	LAST_NAME	1	LAST_NAME	A	0	NULL	NULL		BTREE			YES	NULL
person1	1	LAST_NAME	2	FIRST_NAME	A	0	NULL	NULL		BTREE			YES	NULL

```
4 rows in set (0.01 sec)
```

```
mysql> SELECT * FROM PERSON WHERE LAST_NAME="RAFIEI";
```

PERSON_ID	LAST_NAME	FIRST_NAME	BIRTH	DEATH	GENDER	VACCINE_ID
3	RAFIEI	REZA	1967-01-08	2022-07-10	MALE	NULL

```
1 row in set (0.00 sec)
```

```
mysql> SELECT * FROM PERSON WHERE LAST_NAME="RAFIEI" AND FIRST_NAME="REZA";
+-----------+-----------+------------+------------+------------+--------+------------+
| PERSON_ID | LAST_NAME | FIRST_NAME | BIRTH      | DEATH      | GENDER | VACCINE_ID |
+-----------+-----------+------------+------------+------------+--------+------------+
|         3 | RAFIEI    | REZA       | 1967-01-08 | 2022-07-10 | MALE   |       NULL |
+-----------+-----------+------------+------------+------------+--------+------------+
1 row in set (0.00 sec)
```

```
mysql> CREATE TABLE PERSON1 (
    -> PERSONID INT UNSIGNED NOT NULL AUTO_INCREMENT,
    -> LAST_NAME VARCHAR(255) NOT NULL,
    -> FIRST_NAME VARCHAR(255) NOT NULL,
    -> BIRTH DATE NOT NULL,
    -> DEATH DATE,
    -> GENDER ENUM("FEMALE","MALE") NOT NULL,
    -> VACCINE_ID INT UNSIGNED,
    -> MOBILE VARCHAR(15) NULL,
    -> FOREIGN KEY (VACCINE_ID) REFERENCES VACCINE(VACCINE_ID),
    -> PRIMARY KEY (PERSONID),
    -> INDEX (LAST_NAME(4),FIRST_NAME(4)),
    -> UNIQUE INDEX UQ_MOBILE (MOBILE)
    -> );
Query OK, 0 rows affected (0.01 sec)
```