LAB 2 TT1964

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Task

1. Create a new database name your_matric_num (eg: A1234567)

```
MariaDB [Lab2]> create database A189633;
Query OK, 1 row affected (0.001 sec)

MariaDB [Lab2]> show databases;
+--------------------+
| Database           |
+--------------------+
| a189633            |
| information_schema |
| lab2               |
| mysql              |
| performance_schema |
| phpmyadmin         |
| test               |
| tt1964             |
+--------------------+
8 rows in set (0.001 sec)

MariaDB [Lab2]>
```

2. Create a table name COURSE in the database created which have 5 columns – courseCode, courseName, startdate, numOfStudent, lecturetime. Set courseCode as Primary key and not accept null value.

```
MariaDB [Lab2]> use a189633;
Database changed
```

```
MariaDB [a189633]> create table course (courseCode varchar(8) NOT NULL PRIMARY KEY , courseName varchar(30) , startdate date , numOfStudent int(2) , lecturetime time NOT NULL);
Query OK, 0 rows affected (0.064 sec)
```

3. Insert five records in COURSE table.

```
MariaDB [a189633]> insert into course value ("LMCE1062" , "Academic Interaction", "2022-02-10", 40, '02:00:00');
Query OK, 1 row affected (0.028 sec)

MariaDB [a189633]> insert into course value ("TK1143" , "Progaramming", "2022-02-12", 42, '08:00:00');2:00:00');
Query OK, 1 row affected (0.003 sec)
```

```
MariaDB [a189633]> insert into course value ("TTTH2843", "Multimedia Programming", "2022-03-15",45, '4:00:00');
Query OK, 1 row affected (0.004 sec)

MariaDB [a189633]> insert into course value ("TTTT1964", "Data Analysis", "2022-03-11",46, '5:00:00');
Query OK, 1 row affected (0.004 sec)

MariaDB [a189633]> insert into course value ("ABCD1234", "Database", "2022-03-17",46, '6:00:00');
Query OK, 1 row affected (0.004 sec)
```

4. View all the record in table COURSE (use SELECT statement)

```
MariaDB [a189633]> select * from course;
+------------+------------------------+------------+--------------+-------------+
| courseCode | courseName             | startdate  | numOfStudent | lecturetime |
+------------+------------------------+------------+--------------+-------------+
| ABCD1234   | Database               | 2022-03-17 |           46 | 06:00:00    |
| LMCE1062   | Academic Interaction   | 2022-02-10 |           40 | 02:00:00    |
| TK1143     | Progaramming           | 2022-02-12 |           42 | 08:00:00    |
| TTTH2843   | Multimedia Programming | 2022-03-15 |           45 | 04:00:00    |
| TTTT1964   | Data Analysis          | 2022-03-11 |           46 | 05:00:00    |
+------------+------------------------+------------+--------------+-------------+
5 rows in set (0.000 sec)

MariaDB [a189633]>
```

5. Create a table name STUDENT that have 6 columns – Matric, firstName, lastName, Addres, CGPA, courseCode. Set Matric as a primary key and courseCode as a foreign key in this table. Matric and courseCode not accept null value.

```
MariaDB [Lab2]> use a189633;
Database changed
```

```
MariaDB [a189633]> create table STUDENT (Matric varchar(8) NOT NULL, firstName varchar(30), lastName varchar(30), Address varchar(100), CGPA de
cimal(3,2), courseCode varchar(8) NOT NULL, PRIMARY KEY(Matric), FOREIGN KEY (courseCode) references COURSE(courseCode));
Query OK, 0 rows affected (0.057 sec)
```

6. Insert five records in a table STUDENT.

```
MariaDB [a189633]> insert into STUDENT values ("A189633", "Izzati", "Aisyah", "Seri Kembangan, Selangor", 4.00, "TTTT1964");
Query OK, 1 row affected (0.017 sec)

MariaDB [a189633]> insert into STUDENT values ("A189633", "Izzati", "Aisyah", "Seri Kembangan, Selangor", 4.00, "ABCD1234");
ERROR 1062 (23000): Duplicate entry 'A189633' for key 'PRIMARY'
MariaDB [a189633]> insert into STUDENT values ("A240402", "Fatin", "Azzriana", "Sg Petani, Kedah", 4.00, "ABCD1234");1234");
Query OK, 1 row affected (0.003 sec)
```

```
MariaDB [a189633]> insert into student values("A121212", "Azmatun", "Alifah", "Serdang, Selangor" , 4.00, "LMCE1062");
Query OK, 1 row affected (0.019 sec)

MariaDB [a189633]> insert into student values("A131313", "Zaidatul", "Asyura", "Serdang Jaya, Selangor" , 4.00, "TK1143");
Query OK, 1 row affected (0.004 sec)

MariaDB [a189633]> insert into student values("A141414", "Iffah", "Hannani", "Taman Equine, Selangor" , 4.00, "TTTH2843");
Query OK, 1 row affected (0.004 sec)

MariaDB [a189633]>
```

7. View all the record in table STUDENT.

```
MariaDB [a189633]> select * from student;
+---------+-----------+----------+-------------------------+------+------------+
| Matric  | firstName | lastName | Address                 | CGPA | courseCode |
+---------+-----------+----------+-------------------------+------+------------+
| A121212 | Azmatun   | Alifah   | Serdang, Selangor       | 4.00 | LMCE1062   |
| A131313 | Zaidatul  | Asyura   | Serdang Jaya, Selangor  | 4.00 | TK1143     |
| A141414 | Iffah     | Hannani  | Taman Equine, Selangor  | 4.00 | TTTH2843   |
| A189633 | Izzati    | Aisyah   | Seri Kembangan, Selangor| 4.00 | TTTT1964   |
| A240402 | Fatin     | Azzriana | Sg Petani, Kedah        | 4.00 | ABCD1234   |
+---------+-----------+----------+-------------------------+------+------------+
5 rows in set (0.000 sec)

MariaDB [a189633]>
```