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Week 8

1) Function

```
MariaDB [cs621_railway]> CREATE FUNCTION check_ticket(user_id varchar(10))
    -> RETURNS VARCHAR(50)
    -> DETERMINISTIC
    -> BEGIN
    ->
    ->  DECLARE message VARCHAR(50);
    ->  DECLARE count int;
    ->  set count = (select count(*) from ticket as t where t.passenger_id=user_id group by t.passenger_id);
    ->
    ->  if count>1 then
    ->  set message = "purchased by more than 1 user";
    ->
    ->  else
    ->  set message = "purchased by 1 user";
    ->
    ->  end if;
    ->
    -> return message;
    ->
    -> END; $$
Query OK, 0 rows affected (0.084 sec)

MariaDB [cs621_railway]>
MariaDB [cs621_railway]> DELIMITER ;
```

Output:

```
MariaDB [cs621_railway]> select check_ticket('ADM_001');
+-------------------------------+
| check_ticket('ADM_001')       |
+-------------------------------+
| purchased by more than 1 user |
+-------------------------------+
1 row in set (0.084 sec)

MariaDB [cs621_railway]> select check_ticket('ADM_010');
+--------------------------+
| check_ticket('ADM_010')  |
+--------------------------+
| purchased by 1 user      |
+--------------------------+
1 row in set (0.001 sec)
```

```
MariaDB [cs621_railway]> select check_ticket(passenger_id) from ticket;
+-------------------------------+
| check_ticket(passenger_id)    |
+-------------------------------+
| purchased by more than 1 user |
| purchased by more than 1 user |
| purchased by more than 1 user |
| purchased by more than 1 user |
| purchased by more than 1 user |
| purchased by more than 1 user |
| purchased by more than 1 user |
| purchased by more than 1 user |
| purchased by 1 user           |
| purchased by more than 1 user |
| purchased by more than 1 user |
| purchased by 1 user           |
| purchased by 1 user           |
| purchased by 1 user           |
+-------------------------------+
14 rows in set (0.002 sec)
```

2) Procedure

```
MariaDB [cs621_railway]> CREATE procedure update_age6(
    -> IN usrid varchar(10), OUT msg varchar(30))
    ->
    -> BEGIN
    ->
    -> DECLARE aage int;
    -> DECLARE ddob date;
    -> set aage = (select age from train_user where train_user.user_id = usrid);
    -> set ddob = (select dob from train_user where train_user.user_id = usrid);
    ->
    -> IF aage is NULL THEN
    -> set msg = 'Updating age as it is NULL';
    -> update train_user set age = datediff(current_date(), ddob)/365.25 where train_user.user_id=usrid;
    -> ELSE
    -> set msg = 'Age is already updated';
    -> END IF;
    ->
    -> END;$$
Query OK, 0 rows affected (0.083 sec)

MariaDB [cs621_railway]> DELIMITER ;
```

Output:

```
MariaDB [cs621_railway]> CALL update_age6("USR_420", @M);
Query OK, 1 row affected (0.077 sec)

MariaDB [cs621_railway]> select @M
    -> ;
+------------------------------+
| @M                           |
+------------------------------+
| Updating age as it is NULL   |
+------------------------------+
1 row in set (0.000 sec)

MariaDB [cs621_railway]> select * from train_user where user_id="USR_420";
+---------+-----------+-----------+----------+------+------------+---------+---------------+
| user_id | user_type | firstname | lastname | age  | dob        | pincode | street_number |
+---------+-----------+-----------+----------+------+------------+---------+---------------+
| USR_420 | PSGR      | Adithya   | M        |   20 | 2003-02-08 | 560092  | 9th Main      |
+---------+-----------+-----------+----------+------+------------+---------+---------------+
1 row in set (0.000 sec)
```