

DBMS Lab Assignment

Week-8

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1. Write a function to find the number of tickets booked by a customer. If no. of tickets is more than 3 for the current month then display the error message “cannot purchase tickets current limit is over”

Output:

```
MariaDB [peslug20cs450]> SELECT user_id, is_ticket_limit(user_id) FROM train_user;
+-----+-----+
| user_id | is_ticket_limit(user_id) |
+-----+-----+
| ADM_001 | can purchase tickets     |
| ADM_002 | can purchase tickets     |
| ADM_003 | can purchase tickets     |
| USR_001 | can purchase tickets     |
| USR_002 | can purchase tickets     |
| USR_003 | can purchase tickets     |
| USR_004 | can purchase tickets     |
| USR_005 | can purchase tickets     |
| USR_006 | can purchase tickets     |
| USR_007 | can purchase tickets     |
| USR_008 | can purchase tickets     |
| USR_009 | can purchase tickets     |
| USR_010 | can purchase tickets     |
| USR_011 | can purchase tickets     |
| USR_012 | can purchase tickets     |
| USR_013 | can purchase tickets     |
| USR_014 | can purchase tickets     |
| USR_015 | can purchase tickets     |
| USR_016 | can purchase tickets     |
| USR_017 | can purchase tickets     |
| USR_018 | can purchase tickets     |
| USR_019 | can purchase tickets     |
| USR_020 | can purchase tickets     |
| USR_021 | can purchase tickets     |
| USR_022 | can purchase tickets     |
| USR_023 | can purchase tickets     |
| USR_024 | can purchase tickets     |
| USR_025 | can purchase tickets     |
| USR_026 | can purchase tickets     |
| USR_027 | can purchase tickets     |
| USR_028 | can purchase tickets     |
| USR_029 | can purchase tickets     |
| USR_030 | can purchase tickets     |
+-----+-----+
33 rows in set (0.006 sec)

MariaDB [peslug20cs450]> .
```

2. Write a stored procedure to calculate the customer's age when the date of birth is given. Update the column named age in the customer table.

Output:

```
MariaDB [peslug20cs450]> DELIMITER $$
MariaDB [peslug20cs450]> CREATE procedure find_age(IN UserID varchar(30), IN DOB DATE)
  -> BEGIN
  -> DECLARE age_value int;
  -> SET age_value = FLOOR(DATEDIFF(CURRENT_DATE,DOB)/365);
  -> UPDATE train_user set age = age_value where user_id = UserID;
  -> END; $$
Query OK, 0 rows affected (0.016 sec)

MariaDB [peslug20cs450]> DELIMITER ;
MariaDB [peslug20cs450]> SELECT user_id,age,dob from train_user WHERE UserID='ADM_001' ;
ERROR 1054 (42S22): Unknown column 'UserID' in 'where clause'
MariaDB [peslug20cs450]> SELECT user_id,age,dob from train_user WHERE user_id='ADM_001' ;
+-----+-----+-----+
| user_id | age | dob |
+-----+-----+-----+
| ADM_001 | 33 | 1989-04-14 |
+-----+-----+-----+
1 row in set (0.000 sec)

MariaDB [peslug20cs450]> CALL find_age('ADM_001','1989-04-14');
Query OK, 0 rows affected (0.002 sec)

MariaDB [peslug20cs450]> SELECT user_id,age,dob from train_user WHERE user_id='ADM_001' ;
+-----+-----+-----+
| user_id | age | dob |
+-----+-----+-----+
| ADM_001 | 33 | 1989-04-14 |
+-----+-----+-----+
1 row in set (0.000 sec)

MariaDB [peslug20cs450]>
```