

DATABASE MANAGEMENT SYSTEMS LAB

Week 8

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Section H

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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 error message as “cannot purchase tickets current limit is over”.

```
mysql> DELIMITER $$
mysql> CREATE FUNCTION ticketsPurchase(User varchar(255))
  -> RETURNS VARCHAR(50)
  -> DETERMINISTIC
  -> BEGIN
  ->   DECLARE result VARCHAR(50);
  ->   DECLARE count_tickets INT;
  ->   SELECT COUNT(Pnr) INTO count_tickets
  ->   FROM TICKET_484
  ->   WHERE User_id=User AND YEAR(Travel_date)=YEAR(sysdate()) AND MONTH(Travel_date)=MONTH(sysdate());
  ->   IF count_tickets > 3 THEN
  ->     SET result='Cannot purchase ticket. Current Limit is over';
  ->   ELSE
  ->     SET result='Can purchase ticket.';
  ->   END IF;
  ->   RETURN result;
  -> END $$;
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> DELIMITER ;
mysql> SELECT User_id, ticketsPurchase(User_id) FROM USER_484;
```

User_id	ticketsPurchase(User_id)
ADM_001	Can purchase ticket.
ADM_002	Can purchase ticket.
ADM_003	Can purchase ticket.
USR_001	Can purchase ticket.
USR_002	Can purchase ticket.
USR_003	Can purchase ticket.
USR_004	Can purchase ticket.
USR_005	Can purchase ticket.
USR_006	Can purchase ticket.
USR_007	Can purchase ticket.
USR_008	Can purchase ticket.
USR_009	Can purchase ticket.
USR_010	Can purchase ticket.
USR_011	Can purchase ticket.
USR_012	Can purchase ticket.
USR_013	Can purchase ticket.
USR_014	Can purchase ticket.
USR_015	Can purchase ticket.
USR_016	Can purchase ticket.
USR_017	Can purchase ticket.
USR_018	Can purchase ticket.
USR_019	Can purchase ticket.
USR_020	Can purchase ticket.
USR_021	Can purchase ticket.
USR_022	Can purchase ticket.
USR_023	Can purchase ticket.
USR_024	Can purchase ticket.
USR_025	Can purchase ticket.
USR_026	Can purchase ticket.
USR_027	Can purchase ticket.
USR_028	Can purchase ticket.
USR_029	Can purchase ticket.
USR_030	Can purchase ticket.

33 rows in set (0.01 sec)

mysql>

