

DBMS Lab 8

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PES1UG20CS084

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"

```
MariaDB [peslug20cs084_rail]> delimiter !!
MariaDB [peslug20cs084_rail]> create function number_of_tickets (user_id varchar(20))
-> returns varchar(50)
-> deterministic
-> begin
->   declare number_of_tickets varchar(50);
->
->   set number_of_tickets = (
->     select
->       cast(count(*) as varchar(50))
->     from
->       ticket
->     where
->       pnr = user_id
->       and
->       year(travel_date) = year(curdate())
->       and
->       month(travel_date) = month(curdate())
->   );
->
->   if number_of_tickets > 3 then
->     set number_of_tickets = "cannot purchase tickets current limit is over";
->   end if;
->
->   return number_of_tickets;
-> end;!!
Query OK, 0 rows affected (0.007 sec)
```

2) Write a stored procedure to calculate the age of the customer when the date of birth is given.

Update the column named age in the customer table.

```
MariaDB [peslug20cs084_rail]> delimiter !!
MariaDB [peslug20cs084_rail]> create procedure find_and_set_age (in pnr varchar(20), in birth_date date)
-> begin
->   declare age_from_diff int;
->
->   set age_from_diff = timestampdiff(year, birth_date, curdate());
->
->   update train_user
->     set age = age_from_diff
->   where
->     user_id = pnr;
-> end;!!
Query OK, 0 rows affected (0.020 sec)

MariaDB [peslug20cs084_rail]> delimiter ;
```