

DBMS Assignment Lab 8

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PES1UG20CS462

1)

```
DELIMITER $$
CREATE FUNCTION no_of_tckts(P_ID varchar(255))
RETURNS varchar(255)
DETERMINISTIC
BEGIN
DECLARE out varchar(255);
DECLARE tickets int;
SELECT count(pnr) into tickets
FROM ticket
WHERE passenger_id = P_ID AND MONTH(travel_date) = MONTH(NOW()) AND
YEAR(travel_date) = YEAR(NOW());
IF tickets > 3 THEN
SET out = 'cannot purchase tickets current limit is over';
ELSE
SET out = 'can purchase tickets';
END IF;
RETURN out;
END; $$
DELIMITER ;

SELECT number_of_tickets('ADM_001') from ticket;
```

```
mysql> use pes1ug20cs462;
Database changed
mysql> DELIMITER $$
mysql> CREATE FUNCTION no_of_tckts(P_ID varchar(255))
  -> RETURNS varchar(255)
  -> DETERMINISTIC
  -> BEGIN
  -> DECLARE outpt varchar(255);
  -> DECLARE tickets int;
  -> SELECT count(pnr) into tickets
  -> FROM ticket
  -> WHERE passenger_id = P_ID AND MONTH(travel_date) = MONTH(NOW()) AND
  -> YEAR(travel_date) = YEAR(NOW());
  -> IF tickets > 3 THEN
  -> SET outpt = 'cannot purchase tickets current limit is over'';
  -> ELSE
  -> SET outpt = 'can purchase tickets';
  -> END IF;
  -> RETURN outpt;
  -> END; $$
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> SELECT no_of_tckts('ADM_001') from ticket;
+-----+
| no_of_tckts('ADM_001') |
+-----+
| can purchase tickets   |
| can purchase tickets   |
| can purchase tickets   |
| can purchase tickets   |
| can purchase tickets   |
| can purchase tickets   |
| can purchase tickets   |
| can purchase tickets   |
| can purchase tickets   |
| can purchase tickets   |
| can purchase tickets   |
| can purchase tickets   |
| can purchase tickets   |
| can purchase tickets   |
+-----+
14 rows in set (0.00 sec)
```

2)

```
DELIMITER $$
CREATE procedure upd_age(IN U_ID varchar(30), IN DOB DATE)
BEGIN
DECLARE age_new int;
SET age_new = FLOOR(DATEDIFF(NOW(), DOB)/365);
UPDATE train_user set age = age_new where user_id = U_ID;
END;$$
```

```
DELIMITER ;  
CALL upd_age('ADM_001','1989-04-14');  
  
SELECT * FROM train_user WHERE user_id='ADM_001';
```

```
mysql> DELIMITER $$  
mysql> CREATE procedure upd_age(IN U_ID varchar(30), IN DOB DATE)  
-> BEGIN  
-> DECLARE age_new int;  
-> SET age_new = FLOOR(DATEDIFF(NOW(),DOB)/365);  
-> UPDATE train_user set age = age_new where user_id = U_ID;  
-> END;$$  
Query OK, 0 rows affected (0.02 sec)  
  
mysql> DELIMITER ;  
mysql> CALL upd_age('ADM_001','1989-04-14');  
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> SELECT * FROM train_user WHERE user_id='ADM_001';  
+-----+-----+-----+-----+-----+-----+-----+-----+  
| user_id | user_type | firstname | lastname | age | dob       | pincode | street_number |  
+-----+-----+-----+-----+-----+-----+-----+-----+  
| ADM_001 | ADMIN     | Narendra  | Modi     | 33  | 1989-04-14 | 600047  | Old Jail Road |  
+-----+-----+-----+-----+-----+-----+-----+-----+  
1 row in set (0.01 sec)
```