

DBMS ASSIGNMENT – WEEK 8

H M MYTHREYA

PES2UG20CS130

1) Function:

DELIMITER \$\$

CREATE FUNCTION no_of_tkts(U_ID varchar(255))

RETURNS VARCHAR(50)

DETERMINISTIC

BEGIN

 DECLARE result VARCHAR(50);

 DECLARE ticket_count int;

 SELECT count(PNR) into ticket_count

 FROM Ticket

 WHERE User_ID = U_ID AND

 MONTH(Travel_date) = MONTH(sysdate()) AND

 YEAR(Travel_date) = YEAR(sysdate());

 IF ticket_count > 3 THEN

 SET result = 'cannot purchase tickets current limit is over'';

 ELSE

 SET result = 'can purchase tickets';

 END IF;

 RETURN result;

END; \$\$

DELIMITER ;

→ Query: `SELECT User_ID, no_of_tkts(User_ID) FROM passenger;`

→ Output:

Showing rows 0 - 24 (33 total, Query took 0.0337 seconds.)

`SELECT User_ID, no_of_tkts(User_ID) FROM passenger;`

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

1 > >> ☐ Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Extra options

	User_ID	no_of_tkts(User_ID)
<input type="checkbox"/>	ADM_001	can purchase tickets
<input type="checkbox"/>	ADM_002	can purchase tickets
<input type="checkbox"/>	ADM_003	can purchase tickets
<input type="checkbox"/>	USR_001	can purchase tickets
<input type="checkbox"/>	USR_002	can purchase tickets
<input type="checkbox"/>	USR_003	can purchase tickets
<input type="checkbox"/>	USR_004	can purchase tickets
<input type="checkbox"/>	USR_005	can purchase tickets
<input type="checkbox"/>	USR_006	can purchase tickets
<input type="checkbox"/>	USR_007	can purchase tickets
<input type="checkbox"/>	USR_008	can purchase tickets
<input type="checkbox"/>	USR_009	can purchase tickets
<input type="checkbox"/>	USR_010	can purchase tickets
<input type="checkbox"/>	USR_011	can purchase tickets
<input type="checkbox"/>	USR_012	can purchase tickets
<input type="checkbox"/>	USR_013	can purchase tickets
<input type="checkbox"/>	USR_014	can purchase tickets
<input type="checkbox"/>	USR_015	can purchase tickets

2) Function:

DELIMITER \$\$

CREATE procedure updat_age(IN U_ID varchar(30), IN DOB DATE)

BEGIN

DECLARE new_age int;

SET new_age = FLOOR(DATEDIFF(CURRENT_DATE,DOB)/365);

UPDATE Users set Age = new_age where User_ID = U_ID;

END;\$\$

DELIMITER ;

→ Query:

SELECT * from USERS WHERE User_ID='ADM_001';

CALL updat_age('ADM_001','1989-04-14');

SELECT * from USERS WHERE User_ID='ADM_001';

→ Output:

Showing rows 0 - 0 (1 total, Query took 0.0001 seconds.)

SELECT * from passenger WHERE User_ID='ADM_001';

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

← T →

User_ID

	User_ID	Firstname	Lastname	age	DOB	phone	pincode	user_type	street_number
<input type="checkbox"/>	ADM_001	Narendra	Modi	33	1989-04-14	NULL	600047	ADMIN	Old Jail Road

☐ Edit ☐ Copy ☐ Delete

☐ Check all | With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

☐ Print ☐ Copy to clipboard ☐ Export ☐ Display chart ☐ Create view

Bookmark this SQL query

Label: ☐ Let every user access this bookmark

Bookmark this SQL query

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0426 seconds.)

CALL updat_age('ADM_001','1989-04-14');

[Edit inline] [Edit] [Create PHP code]

Showing rows 0 - 0 (1 total, Query took 0.0002 seconds.)

SELECT * from passenger WHERE User_ID='ADM_001';