DBMS LAB

Week-8

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**Section: C**

# Date: 08/11/2022

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”.

Code for the 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;

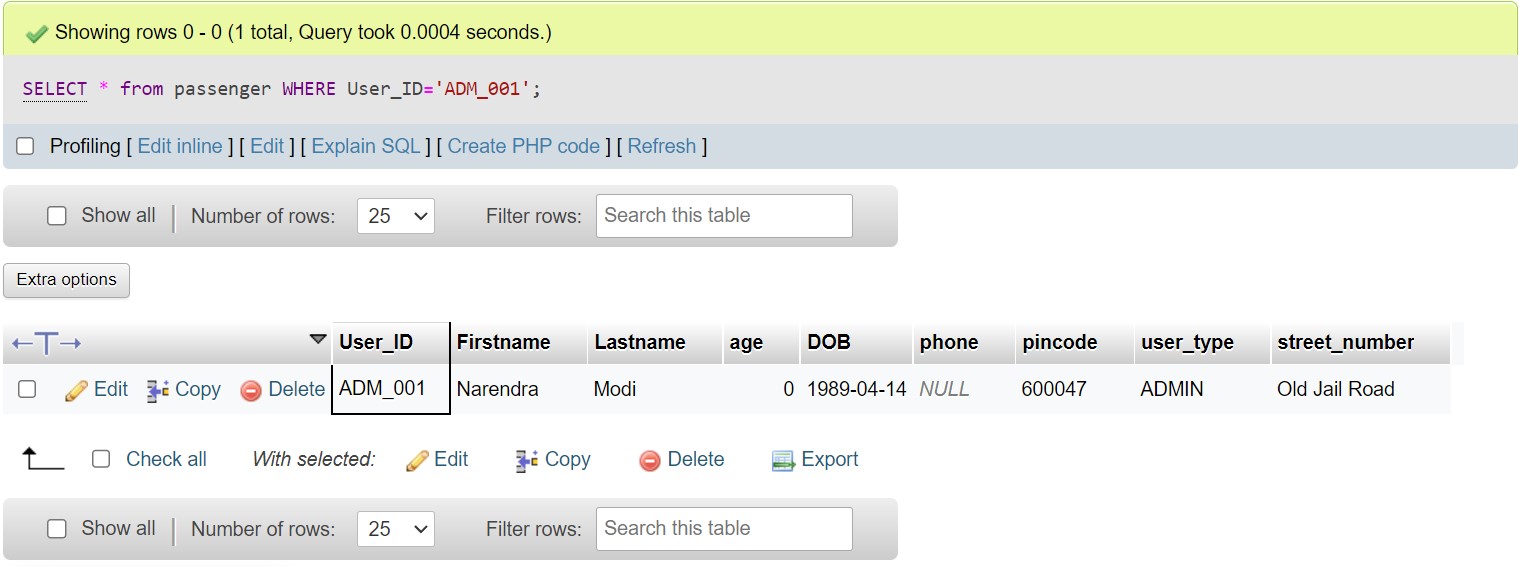
END; $$

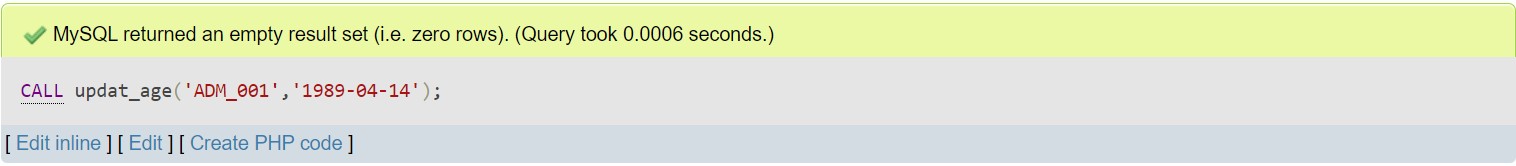
DELIMITER ;

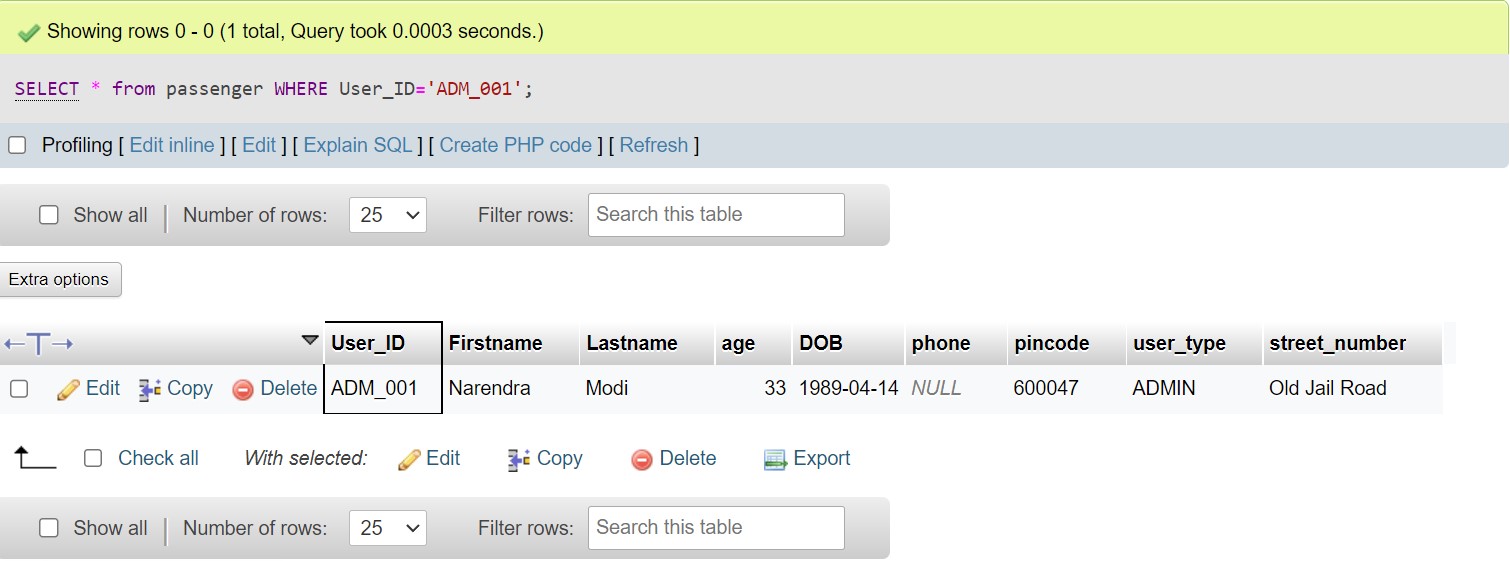
Query:

SELECT User\_ID, no\_of\_tkts(User\_ID) FROM Users;

Output:







1. 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.

Code for the stored procedure:

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:

