DBMS Lab 8 Keerthana Shivakumar PES1UG20CS204

Question 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"*/

```
DELIMITER
 $$
CREATE FUNCTION ticket_booked_204(
 UID VARCHAR(20),
 travel_date DATE
) RETURNS VARCHAR(255) DETERMINISTIC BEGIN
 DECLARE
   cnt INT; DECLARE message VARCHAR(255);
 SET
   cnt =(
   SELECT
      COUNT(*)
    FROM
      ticket_204 AS t
   WHERE
      UID = t.Passenger_id AND MONTH(travel_date) = MONTH(t.Travel_date)
 ); IF cnt > 3 THEN
SET
 message = "cannot purchase tickets current limit is over"; ELSE
SET
 message = "can purchase tickets";
END IF; RETURN message;
END; $$
DELIMITER
```

/*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"*/

SELECT DISTINCT

(Passenger_id),

ticket_booked_204(Passenger_id, Travel_date) AS 'can book ticket?'

FROM

ADM_002

USR_007

USR_008

USR_009

USR_010

USR_012

can purchase tickets



Question 2

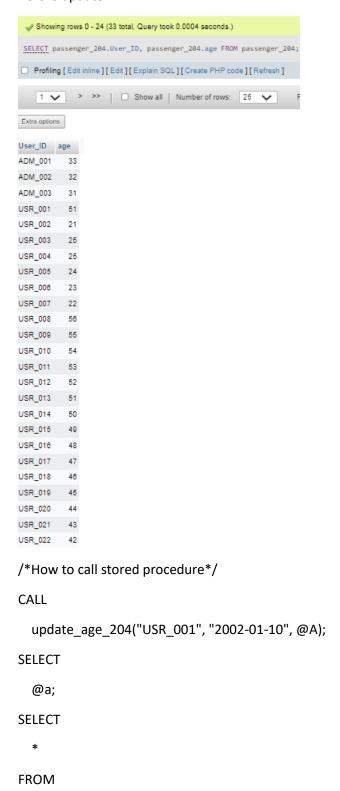
/*Write a stored procedure to calculate the age of the customer when the date of birth is given. Update the column named age in the customer table.*/

```
DELIMITER
  $$
CREATE PROCEDURE update_age_204(
 IN UID VARCHAR(255),
 IN DOB DATE,
  OUT msg VARCHAR(30)
)
BEGIN
  DECLARE
    age INT; IF DOB > SYSDATE() THEN
  SET
    msg = 'Invalid DOB'; ELSE
  UPDATE
    passenger_204
  SET
    Age =(DATEDIFF(SYSDATE(), DOB)) / 365
  WHERE
    User_ID = UID;
  UPDATE
    passenger_204
  SET
    DOB = DOB
  WHERE
    User_ID = UID;
  SET
    msg = 'Age updated Successfully';
    END IF;
    END; $$
  DELIMITER
```

;

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.1120 seconds.)
CREATE PROCEDURE age_replacement(IN uid VARCHAR(10), OUT msg VARCHAR(255)) BEGIN DECLARE new_age INT; UPDATE passenger_204 SET new_age = (SELECT YEAR(CURRENT_DATE) - YEAR(DOB) FROM passenger_204) WHERE User_ID = uid; UPDATE passenger_204 SET age = new_age WHERE User_ID = uid; SET msg = "Age updated succesfully"; END;;

Before update



passenger_204

passenger_204.User_ID = "USR_001";

