

DBMS – UE20CS301 Lab

Lab 8

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Sec: F

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1.

Code:

```
DELIMITER $$
CREATE FUNCTION number_of_tickets_booked(no_of_tickets int)
RETURNS varchar(50)
BEGIN
    DECLARE err varchar(50);
    IF no_of_tickets > 3 THEN
        SET err = 'cannot purchase tickets current limit is
over';
    ELSE
        SET err = 'can purchase tickets';
    END IF;
    RETURN err;
END; $$
DELIMITER ;
```

Function call query:

```
SELECT number_of_tickets_booked(COUNT(*)), ticketpassenger.PNR
FROM ticketpassenger JOIN ticket WHERE ticketpassenger.PNR =
ticket.PNR AND MONTH(ticket.Travel_date) = MONTH(CURRENT_DATE)
GROUP BY ticketpassenger.PNR;
```

Output Screenshots:

Server: MySQL:3306 » Database: pes2ug20cs389

Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers More

Show query box

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0004 seconds.)

```
CREATE FUNCTION number_of_tickets_booked(no_of_tickets int) RETURNS varchar(50) BEGIN DECLARE err varchar(50); IF no_of_tickets > 3 THEN SET err = 'cannot purchase tickets current limit is over'; ELSE SET err = 'can purchase tickets'; END IF; RETURN err; END;;
```

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

Server: MySQL:3306 » Database: pes2ug20cs389 » Table: ticketpassenger

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Show query box

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 7 (8 total, Query took 0.0028 seconds.)

```
SELECT number_of_tickets_booked(COUNT(*)), ticketpassenger.PNR FROM ticketpassenger JOIN ticket WHERE ticketpassenger.PNR = ticket.PNR AND MONTH(ticket.Travel_date) = MONTH(CURRENT_DATE) GROUP BY ticketpassenger.PNR;
```

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

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

+ Options

number_of_tickets_booked(COUNT(*))	PNR
can purchase tickets	PNR001
can purchase tickets	PNR002
can purchase tickets	PNR003
can purchase tickets	PNR004
cannot purchase tickets current limit is over	PNR005
can purchase tickets	PNR006
can purchase tickets	PNR007
can purchase tickets	PNR008

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

2.

Code:

```
DELIMITER $$
```

```
CREATE procedure age_updation(IN age date)
```

```
BEGIN
```

```
    update users set users.Age = (year(CURRENT_DATE) - year(age))
where users.DOB = age;
```

```
END; $$
```

```
DELIMITER ;
```

```
DELIMITER $$
```

```
CREATE PROCEDURE age()
```

```
BEGIN
```

```

DECLARE dob DATE;
DECLARE is_updated INT DEFAULT FALSE;
DECLARE age_update CURSOR FOR SELECT users.DOB FROM users;
DECLARE CONTINUE HANDLER FOR NOT FOUND SET is_updated = TRUE;
OPEN age_update;
iterate_through_rows:LOOP
    FETCH age_update INTO dob;
    IF is_updated THEN
        LEAVE iterate_through_rows;
    END IF;
    call age_updatation(dob);
END LOOP;
CLOSE age_update;
END; $$
DELIMITER ;

```

Procedure call query:

```
CALL age();
```

Output Screenshots:



Server: MySQL:3306 » Database: pes2ug20cs389

Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers More

Show query box

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0128 seconds.)

```
CALL age();
```

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

Server: MySQL:3306 » Database: pes2ug20cs389 » Table: users

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

✓ Showing rows 0 - 24 (33 total, Query took 0.0003 seconds.)

```
SELECT * FROM users;
```

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

1 > >> ☐ Show all Number of rows: 25 Filter rows: Search this table

+ Options

User_ID	User_type	F_name	L_name	Age	DOB	Pin_code	Street_no
ADM_001	ADMIN	Narendra	Modi	33	1989-04-14	600047	0
ADM_002	ADMIN	Droupadi	Murmu	32	1990-04-14	640012	0
ADM_003	ADMIN	Manmohan	Singh	31	1991-04-08	575003	0
USR_001	PSGR	Ajit	Ullal	51	1971-01-01	560001	10
USR_002	PSGR	Muhammed	Ali	22	2000-10-09	560003	10
USR_003	PSGR	Sai Deepak	Reddy	26	1996-12-12	600001	14
USR_004	PSGR	Rudra	Agarwal	26	1996-12-13	600042	5
USR_005	PSGR	Rahul	Khanna	25	1997-12-14	600067	1
USR_006	PSGR	Nirmala	Seturaman	24	1998-12-15	560105	3
USR_007	PSGR	Smriti	Irani	23	1999-12-16	575014	4
USR_008	PSGR	Ajit	Sethi	56	1966-04-14	575001	6
USR_009	PSGR	Arjun	Allu	55	1967-04-08	575020	7
USR_010	PSGR	Samanta	Prabhu	54	1968-04-14	600042	8
USR_011	PSGR	Kiran	Bedi	53	1969-04-14	560003	56
USR_012	PSGR	Rahul	Gandhi	52	1970-04-08	475001	0
Console	PSGR	Deepak	Sethi	51	1971-04-14	560001	0