Database Management Systems
UE20CS301 5th Semester,
Academic Year 2022-23

Date: 18/10/2022

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Sec: L

ASSIGNMENT 8

1)

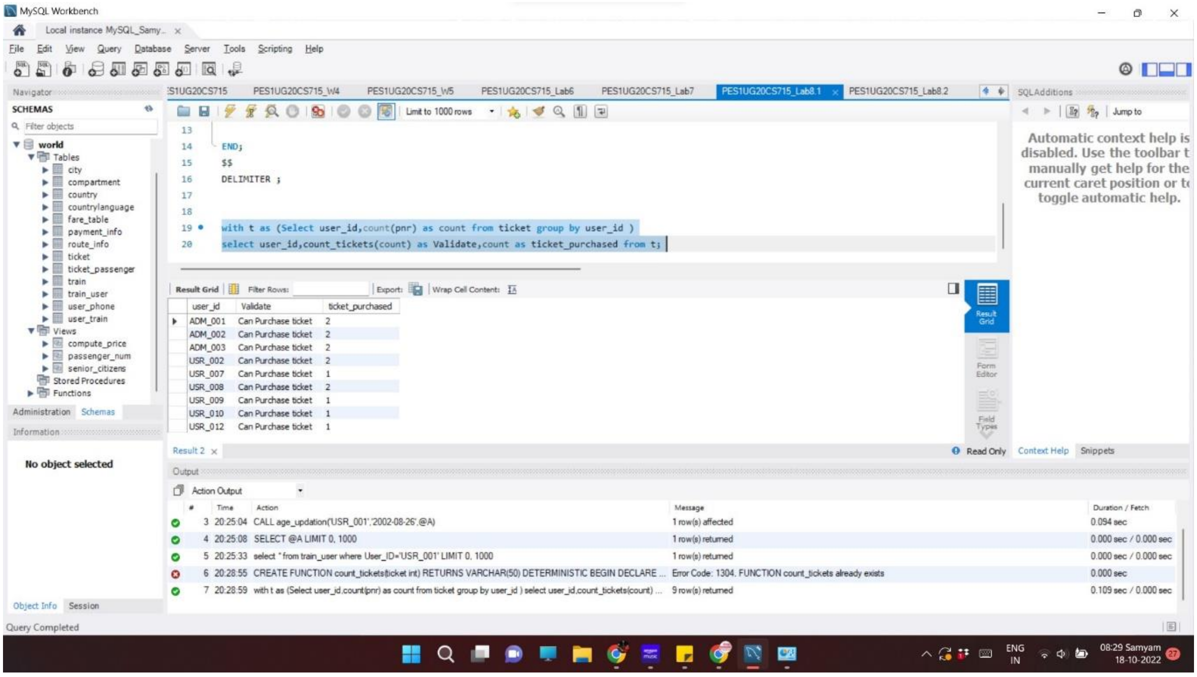
```
DELIMITER $$
CREATE FUNCTION count_tickets(ticket int)
RETURNS VARCHAR(50)
DETERMINISTIC
BEGIN
DECLARE VALUE varchar(50);
IF ticket>3 then
set VALUE="Cannot purchase tickets Current limit is over";
   ELSE
set VALUE ="Can Purchase ticket";
  end if;
  return value;

END;
$$
DELIMITER ;

with t as (Select user_id,count(pnr) as count from ticket group by user_id )
select user_id,count_tickets(count) as Validate,count as ticket_purchased from t;
```

2)

```
DELIMITER $$
CREATE procedure age_updation(
IN UID varchar(30),IN DB date, OUT msg varchar(30))
BEGIN
DECLARE age int;
IF DB>sysdate() THEN
set msg= 'Invalid DoB';
ELSE
update train_user
set Age=(datediff(sysdate(),DB))/365
where User_ID= UID;

update train_user
set DOB=DB
```

```
where User_ID=UID;
set msg='Age updated Successfully';

END IF;
END;$$
DELIMITER ;

CALL age_updation('USR_001','2002-08-26',@A);
SELECT @A;

select * from train_user where User_ID='USR_001';
```

Task 1)



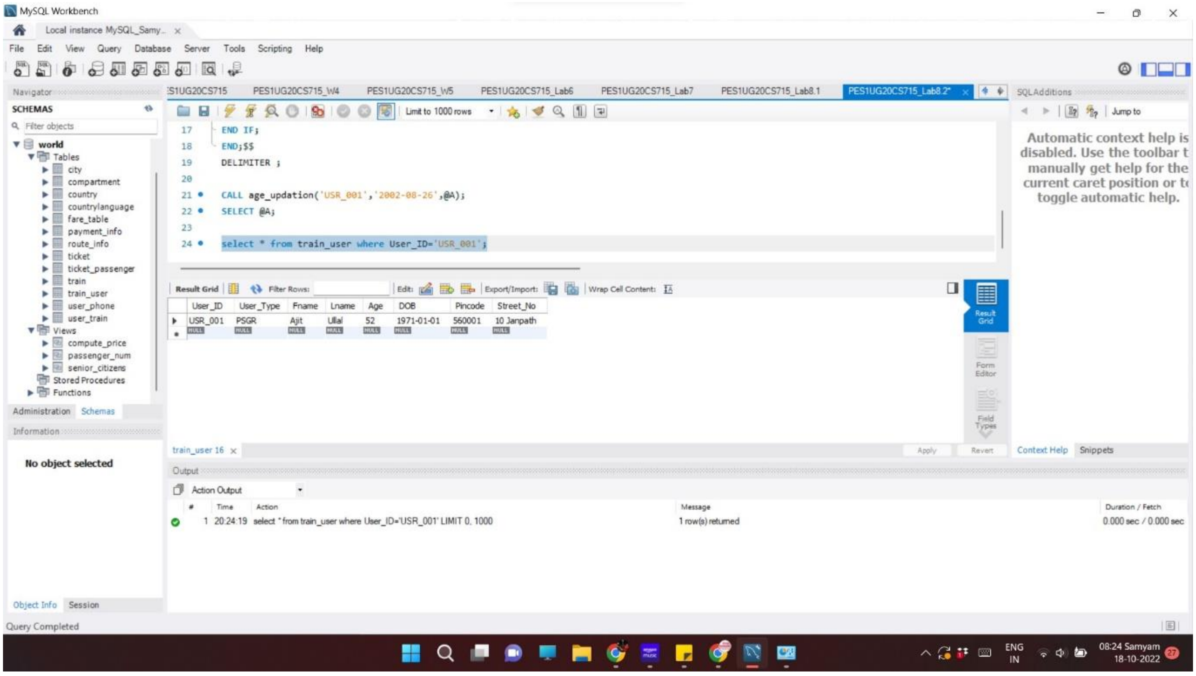
```
END;
$$
DELIMITER ;


with t as (Select user_id,count(pnr) as count from ticket group by user_id )
select user_id,count_tickets(count) as Validate,count as ticket_purchased from t;
```

user_id	Validate	ticket_purchased
ADM_001	Can Purchase ticket	2
ADM_002	Can Purchase ticket	2
ADM_003	Can Purchase ticket	2
USR_002	Can Purchase ticket	2
USR_007	Can Purchase ticket	1
USR_008	Can Purchase ticket	2
USR_009	Can Purchase ticket	1
USR_010	Can Purchase ticket	1
USR_012	Can Purchase ticket	1

```
#  Time      Action                                                                                       Message                                             Duration / Fetch
3  20:25:04  CALL age_updation('USR_001','2002-08-26',@A)                                                  1 row(s) affected                                   0.094 sec
4  20:25:08  SELECT @A LIMIT 0, 1000                                                                       1 row(s) returned                                   0.000 sec / 0.000 sec
5  20:25:33  select * from train_user where User_ID='USR_001' LIMIT 0, 1000                                 1 row(s) returned                                   0.000 sec / 0.000 sec
6  20:28:55  CREATE FUNCTION count_tickets(ticket int) RETURNS VARCHAR(50) DETERMINISTIC BEGIN DECLARE ...  Error Code: 1304. FUNCTION count_tickets already exists  0.000 sec
7  20:28:59  with t as (Select user_id,count(pnr) as count from ticket group by user_id ) select user_id,count_tickets(count) ...  9 row(s) returned  0.109 sec / 0.000 sec
```

Task 2)

Before Updating Age and DoB

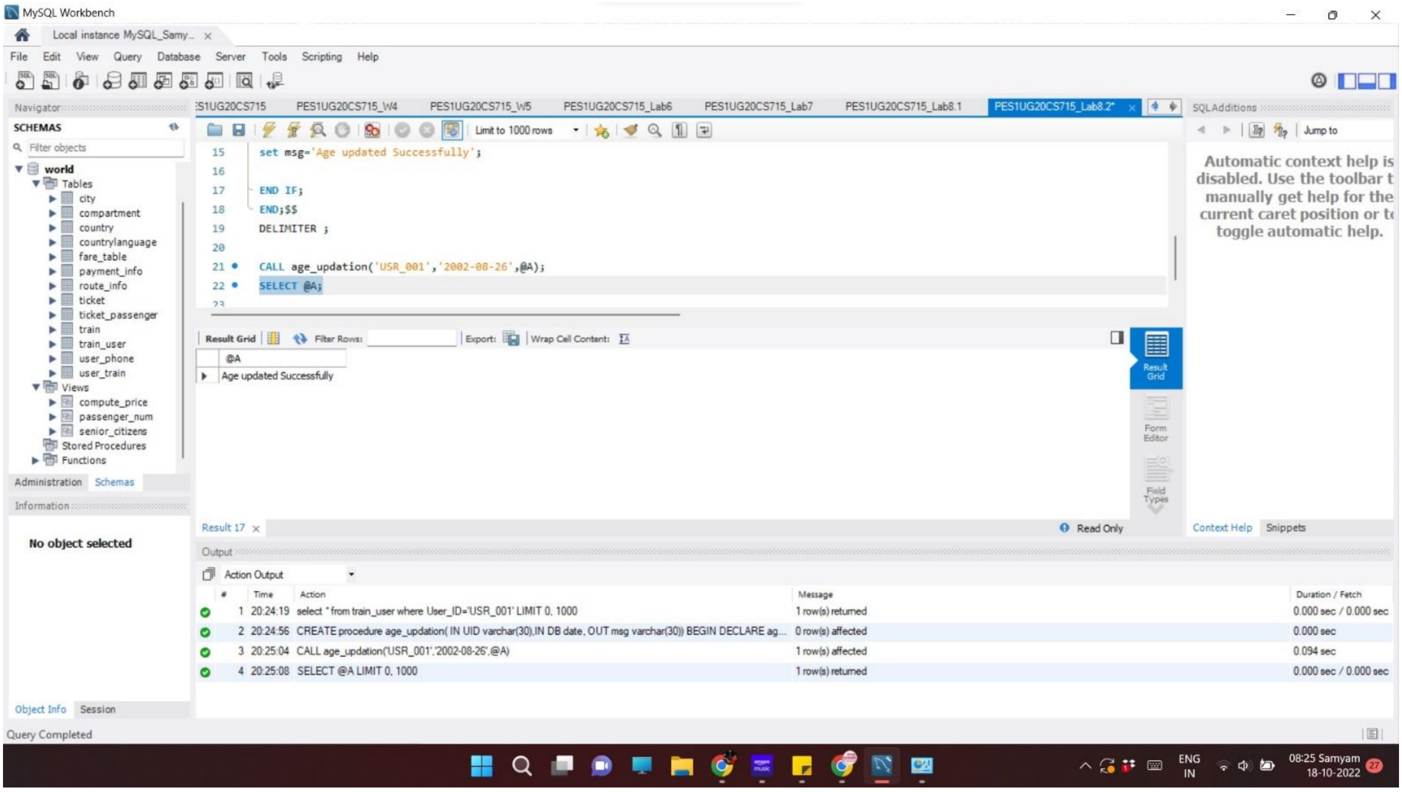


```
END IF;
END;$$
DELIMITER ;

CALL age_updation('USR_001','2002-08-26',@A);
SELECT @A;

select * from train_user where User_ID='USR_001';
```

User_ID	User_Type	Fname	Lname	Age	DOB	Pincode	Street_No
USR_001	PSGR	Ajit	Ullal	52	1971-01-01	560001	10 Janpath
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

```
#  Time      Action                                                            Message            Duration / Fetch
1  20:24:19  select * from train_user where User_ID='USR_001' LIMIT 0, 1000    1 row(s) returned  0.000 sec / 0.000 sec
```

Successfully updating Age

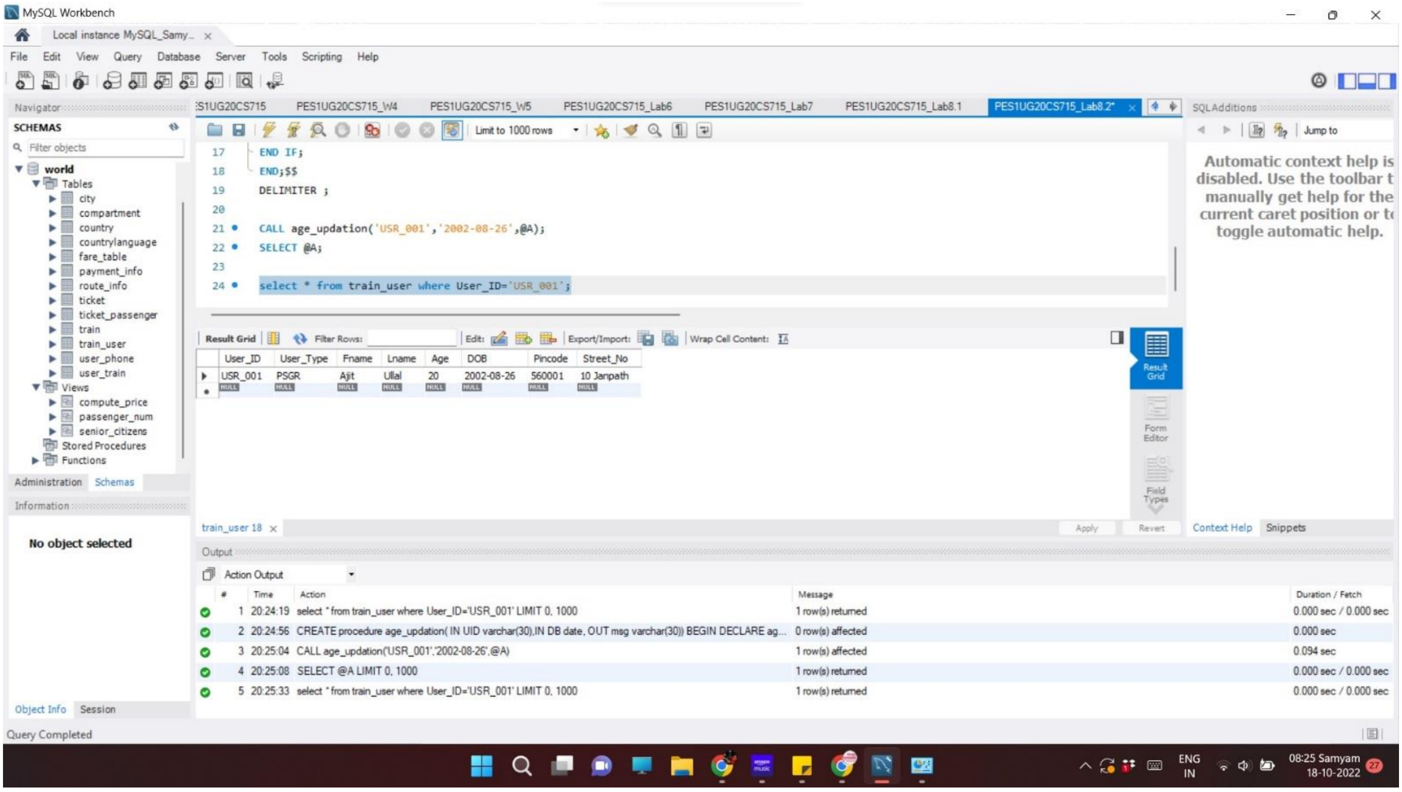


```
set msg='Age updated Successfully';

END IF;
END;$$
DELIMITER ;

CALL age_updation('USR_001','2002-08-26',@A);
SELECT @A;
```

@A
Age updated Successfully

```
#  Time      Action                                                                                          Message              Duration / Fetch
1  20:24:19  select * from train_user where User_ID='USR_001' LIMIT 0, 1000                                  1 row(s) returned    0.000 sec / 0.000 sec
2  20:24:56  CREATE procedure age_updation( IN UID varchar(30),IN DB date, OUT msg varchar(30)) BEGIN DECLARE ag...  0 row(s) affected    0.000 sec
3  20:25:04  CALL age_updation('USR_001','2002-08-26',@A)                                                    1 row(s) affected    0.094 sec
4  20:25:08  SELECT @A LIMIT 0, 1000                                                                         1 row(s) returned    0.000 sec / 0.000 sec
```

Updated Age and DoB



```
END IF;
END;$$
DELIMITER ;

CALL age_updation('USR_001','2002-08-26',@A);
SELECT @A;

select * from train_user where User_ID='USR_001';
```

User_ID	User_Type	Fname	Lname	Age	DOB	Pincode	Street_No
USR_001	PSGR	Ajit	Ullal	20	2002-08-26	560001	10 Janpath
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

```
#  Time      Action                                                                                          Message              Duration / Fetch
1  20:24:19  select * from train_user where User_ID='USR_001' LIMIT 0, 1000                                  1 row(s) returned    0.000 sec / 0.000 sec
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3  20:25:04  CALL age_updation('USR_001','2002-08-26',@A)                                                    1 row(s) affected    0.094 sec
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5  20:25:33  select * from train_user where User_ID='USR_001' LIMIT 0, 1000                                  1 row(s) returned    0.000 sec / 0.000 sec
```