

Database Systems and Applications (IS F243)

Second Semester 2012-2013

Lab-7 Exercise Total Marks- 08 Duration: 120 mins

To study stored procedures

Instructions:

- 1. Use procedure name as mentioned in the question.**
- 2. Copy the answers in quiz strictly in following sequence only.**

```
DROP PROCEDURE PROCEDURE NAME;
DELIMITER #
CREATE
.
.
.
DELIMITER ;
CALL PROCEDURE NAME;
```

Q1. Write a stored procedure "CountTrains" to find how many trains run on weekdays and how many on weekends. **[2M]**

expected output:

mysql> CALL CountTrains();

+-----+-----+	
onWeekdays	onWeekends
+-----+-----+	
4	1
+-----+-----+	

Q2. Write a stored procedure "AllStations" that takes PNR as input parameter to find all halting stations in the journey and relative distance from boarding station. **[2M]**

expected output on calling the procedure and passing PNR=101:

mysql> CALL Allstations(101);

+-----+-----+	
station_name	reldistance
+-----+-----+	
THANE	0
PANVEL	35
CHIPLUN	291
RATNAGIRI	397
SINDHUDURG	578

SAWANTWADI ROAD	621
MADGAON	732

Q3. Write a stored procedure “FindRank” to find rank of each student based on grand total and update in students table. **[4M]**

expected output:

mysql> CALL FindRank();

id	name	date_of_birth	grand_total	rank
1	AAA	1996-02-06	80	2
2	BBB	1996-02-16	85	1
3	CCC	1996-03-28	60	6
4	DDD	1996-03-23	80	2
5	EEE	1997-06-18	65	4
6	FFF	1996-04-24	40	8
7	GGG	1996-05-17	65	4
8	HHH	1996-06-19	50	7