

# CL203: Database Systems lab

## *Lab Task 13[SQLFUNCTION & TCL]*

**Submission:** Submit a log file, make sure you marked each query properly. [To create a log file run the command `tee path_file`]

**For tasks[1-5] use themepark database**

1. Write a query which lists the names and dates of births of all employees born on the 14th day of the month.
2. Write a query which lists the approximate age of the employees on the company's tenth anniversary date (11/25/2008).
3. Write a query which generates a list of employee user passwords, using the first three digits of their phone number, and the first two characters of first name in lower case. Label the column USER\_PASSWORD;
4. Write a query which displays the last date a ticket was purchased in all Theme Parks. You should also display the Theme Park name. Print the date in the format 12<sup>th</sup> January 2007.
5. Using the date specifiers in Table 7.2, modify the query shown in Figure 55 to display the date in the format 'Fri – 18 – 5 – 07'.
6. Give a demonstration of commit, rollback and savepoint commands.
  - You can use any already define database for the demonstration of TCL commands.
  - Disable the autocommit option as shown in log file
  - Inset some data in any table, update some data in any table
  - Now apply rollback and see the result
  - Do some more transactions of insert, update and delete. Afterwards add a savepoint
  - Insert 2 to 3 rows and then go back to previous savepoint and see the results.