CS 313: Databases and Information Systems Laboratory
Autumn 2022-23, IIT Dharwad
Assignment 1

Part A

In this lab, we want you to find some information from the internet about the following DB researchers and some interesting information about DB applications or tasks. Submit about one paragraph (max 10 sentences — not copy-pasted!) for each of the following.

1. On Wikipedia, find information about   *10 Points*
a) E.F. Codd or Michael Stonebraker
b) Data model or database application

2. Find 10 large digital applications(such as Google pay, Amazon) that have a huge database size and large number of transactions. Select some Indian web or mobile applications (in the field of Finance, retail, manufacturing and IT) for this exercise.   *10 Points*

3. Explain about OLTP, OLAP along with the differences between them.   *10 Points*

Part B   *20 Points*

Install MySQL database on your Linux system. Follow the instructions given in the Installation guide. Contact TAs for any help.

Total: 50 points

NOTE:
1. Due date for the Assignment is *19th August 2022*,
2. *Evaluation of PART-B: Installed working setup of MySQL in your system should be shown to TAs during lab hours on 22-Aug-2022.*
3. For submitting the assignment please follow the instructions given below.
   a. Include the URL in your submission from where you referred the answer.
   b. We will run a plagiarism check for all the submissions.
   c. Submit the .pdf file named with your *<roll_number>*.pdf
   d. Mode of submission is moodle.
   e. Penalty for late submission is 15% of secured marks.
   f. Penalty for plagiarism is 100% of the secured marks.