CS345: Database Laboratory

Database Regular Lab Session (1 Questions, 10 Points)
Time: 09:00–12:00 (3.0 hours.)   Pages: 1

IIT Guwahati

12 Jan 2018 (Fri)   Lab session: ML5

Question 1: (10 points)

You are given a database (text file) containing the schema: `rollno, held_on, status`.

1. **Problem Statement**

   (a) Read the given input file (i) using file pointers (ii) with appropriate data structure which stores the given schema.

   (b) Your task is to obtain two output files (two views) `L75.csv` and `G75.csv`. The file `L75.csv` should contain list of all students whose attendance is less than 75.00% with the following schema: `rollno, no_classes_present, percentage`. The file `G75.csv` should contain list of all students whose attendance is greater than or equal to 75.00% with the following schema: `rollno, no_classes_present, percentage`.

   (c) Deviating from problem statement will result in evaluators discretion in awarding marks.

2. **Instructions**

   (a) You must use C programming language to achieve this task.

   (b) Name the file should be your_roll_number.c

   (c) Submit your program on or before 12:30 PM. Plan your tasks within this time frame.

   (d) Cell phones are not allowed inside the lab.

   (e) **Submitting your solution:** email to `vijaya.saradhi@gmail.com`. Subject: Your roll number.

   (f) You are expected to obtain solution of this problem independently. Discussions with fellow students is strongly discouraged.