## **CSC384**

HomeWork 1: Due Feb 03 11:59 pm (via bb)

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Remember: you will be graded for your sincere effort, and not for correctness.

1. Write SQL DDL (Data Definition Language) statements to create a table called studentInfo with attributes studentNum of type integer, and marks of type integer. [2]

Now import the data given into your table.

The solution that you turn in MUST include the SQL statement to create the studentInfo table.

Table STUDENTINFO created.

Table INTRO2 dropped.

Elapsed: 00:00:00.096

For each of the questions 2 - 5, you must show two things: (a) the result of the query; (b) the time it took to execute the query (use SET TIMING ON). [8]

2. SELECT COUNT (\*) FROM studentInfo;

(Note: you must get the result of the SQL statements in problems 2 to 4 as 19,993 – otherwise, check whether all rows were inserted correctly).

```
COUNT(*)
------
19993
Elapsed: 00:00:00.027
```

3. SELECT COUNT(\*) FROM studentInfo s1, studentInfo s2

WHERE s1.studentNum=s2.studentNum;

```
COUNT(*)
------
19993
Elapsed: 00:00:00.087
```

4. SELECT COUNT(\*) FROM studentInfo s1

WHERE s1.studentNum IN (SELECT studentNum FROM studentInfo);

```
COUNT(*)
------
19993
Elapsed: 00:00:00.060
```

5. UPDATE studentinfo SET marks = marks - 1
WHERE studentNum IN (SELECT studentNum FROM studentInfo);

For 5, the result of the query would be a message saying how many rows were updated. Include that message in your solution that you turn in.

```
19,993 rows updated.
Elapsed: 00:00:00.421
```

Deliverables: Could be a document in any format (.txt, .doc, ...). The document should include SQL statement for Problem 1. For problems 2-5, there should be the result/message from the database server when you execute the statement and the time taken to execute the statement.