Date: 02nd Nov 2022

Day: Wednesday

Discussion on exam 1 and quiz 2 contents:

search for a baseball player database on internet and ideal SQL table type for exam

for example: refer to these tables for so and so questions. 20 questions- 15 might refer to these 2 tables mentioned above. maybe related to restaurant/car/train station/bank. a universal dataset.

multiple answer questions will be included

prof brown will put up a powerpoint with just slides related to the exam.

SQL:

1. select statements: using where, order by, joins, between statement, negation, IN, pattern matching, null condition, aggregates etc. straightforward questions, about 5 questions on select statemt type questions

2. aggregate function, count, sum, average, group by, aliasing, having clause with aggregate function

3. subqueries based questions, see SQL slides for example. nested subquery. use of ANY/ALL/SOME, exists

4. scalar functions

5. joins, simple, left, right, inner, outer joins, both left and right, maybe 3 table join, equi join

6. inserts and updates

7. intersect

8. delete specific rows

9. how to create a table, and how to alter a table

10. know about views, how to create them, what are their restrictions and update abilities, advantages and dsiadvantages of view. one table with data/tuples from other multiple tables.

11. no transactions/privileges

12. primary keys

data types

normalisation (1NF, 2 NF, 3NF): checkout normalisation assignemt for more details: https://en.wikipedia.org/wiki/Database_normalization

properties of normal forms (MCQ style)

ER and conceptual modelling: logical and physical modeling: ER model constructs: entities, relationships, attributes

Relational Algebra

output of some SQL and ask what SQL generated that output?

lil bit python TBD

(see DAMG6210 ppt in github)

twitter API,check out the tweepy details and related stuff for twitter API

RESTful meaning, HTTP through JSON? know about it

discussion on a word file with sample questions for exam

on friday class, we will rewrite the word file and make it canvas friendly

will not list tables every single time, just like 3 tables with their SQL create statements and questions based on it

cameras should be ON while the exam goes on

online exam, mostly MCQ, can take it from wherever you're comfy

also create a practice exam on canvas

70% easy, straightforward, 20% medium and 10% hard, conceptually

no subjective questions