note 377 views

## Midterm Exam Clarification

This pinned post will contain a list of corrections to the midterm. I do not want to modify the original document. If you download a changed version, you would have to copy answers that you have done from the current notebook to the new version.

Correction 1: Relational Algebra Question (section 3.3)

The first two expressions should be changed to the following.

## 1. $\sigma_{Month="September"}(BirthInfo) \bowtie \pi_{Sign}(\sigma_{Month<"September"}(AstrologicalInfo))$

Answer

Type Markdown and LaTeX:  $\alpha^2$ 

## 2. $\pi_{Name}(\sigma_{Month="December"}(AstrologicalInfo))$

Correction 2: Question 4.2 Set Membership

I made a mistake. I believe the sample answer should be:

## Out[6]:

playerid	nameFirst	nameLast
youngcy01	Су	Young
wrighha01	Harry	Wright
wrighge01	George	Wright
willite01	Ted	Williams
whitewi01	Will	White
whitede01	Deacon	White
wardjo01	John	Ward
waltebu01	Bucky	Walters
walshed01	Ed	Walsh
wallabo01	Bobby	Wallace

Also, you only need to return 10 or so answers and not the whole list.

if you are struggling to perfectly reproduce my answer for any question, please send me an email. I sometimes make mistakes.

Correction 3: OBP Formula (Question 4.1)

The formula for OBP is (H + BB)/(BB + AB).

Correction 4: Relational algebra questions:

- Question 3: There is a misspelling. The second table is AstrologicalInfo.
- Question 4: ∧ mean intersection, not boolean \_and.\_

Correction 5: Graph Query/Game of Thrones

• You do not need to consider weights.

Correction 6: Complex Query (section 4.4)

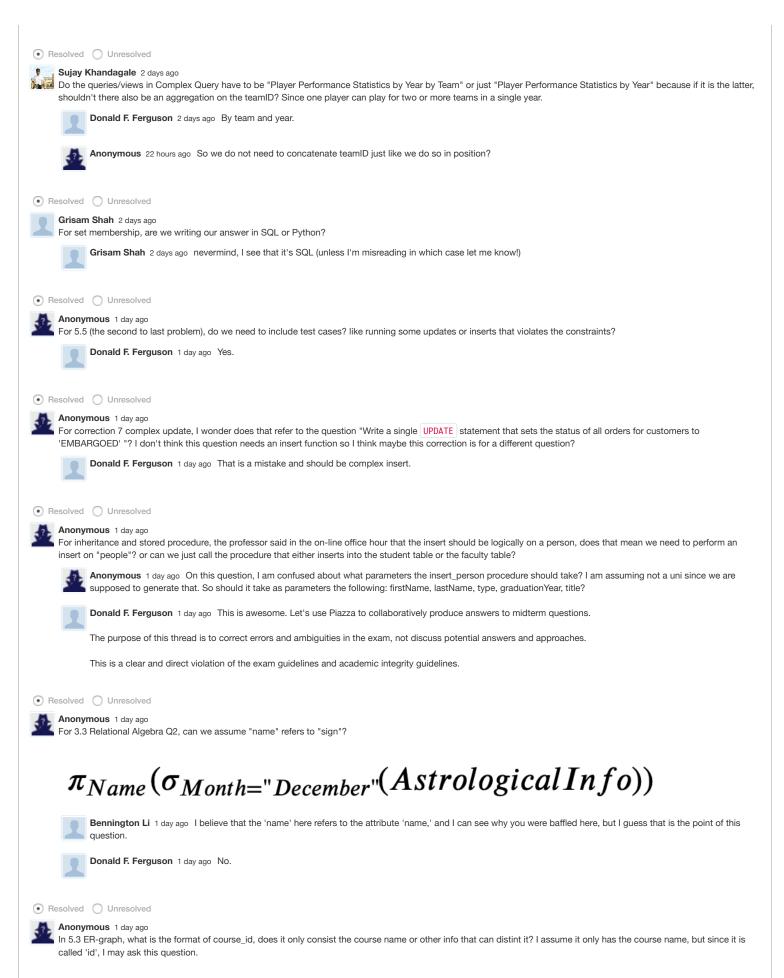
- g\_p is the total number of games pitched in the season, e.g. "G."
- You do not need to include since the questions does not ask for it.

Correction 7: Complex Insert (section 4.3)

- Change "null" to None to use in Python.
- Also, note that the example data has an order ID in it, but the application doing the insert does not know if the orderNumber is already in use. You need to handle

You must do the insert, which may require computing a new ID.
You will need a connection to execute queries. You do not need to pass as a parameters (e.g. cnx).
Clarification 8: Complex Query (section 4.3):  • Your views should include playeri:D
Clarification 9: Inheritance (section 5.4):
The column student in the student table represents the UNI. You can rename it if you want.
#pin
exam
Updated 1 day ago by Donald F. Ferguson
followup discussions for lingering questions and comments
Resolved  Unresolved
Anonymous 6 days ago For Correction 2: Question 4.2 Set Membership, how many rows are affected? I am asking because the rows affected are usually provided.
Donald F. Ferguson 6 days ago  Just match the results returned.
Resolved Unresolved  Anonymous 5 days ago
Is the \pi equivalent to projection \Pi in the lecture?
Donald F. Ferguson 5 days ago Yes
Resolved  Unresolved
Anonymous 4 days ago For correction 7, if it is already in Use, do you want us to update it or ignore it? I am assuming you would want us to ignore it, but want to clarify.
Donald F. Ferguson 4 days ago Clarified.
Resolved  Unresolved
Chenghao Yang 4 days ago 1. "You mist do the insert, which may require computing a new ID."
Sorry, I do not quite understand this clarification. Maybe there are some typos? Does that mean if we insist to insert the data somehow, we need to compute a new ID by our own? Is computing a new ID a necessary part of this problem?
2. If I pass a param "cnx" to "complex_insert", will I suffer a point deduction?
Donald F. Ferguson 3 days ago I corrected the typo.
Your insert must work if the data is valid. The calling application has no way of knowing a prior what order numbers are in use. An orderNumber in use must be handled and dealt with.
You will not lose points if you pass a connection.
Yuncong Yang 3 days ago Nevermind.
Resolved  Unresolved
Yuncong Yang 3 days ago Nevermind
Resolved  Unresolved
Anonymous 3 days ago  Does uni need to in "letter_letter_number" form or can it be a unique number? For stored procedures when we create new unis
Donald F. Ferguson 2 days ago initials and number.

somehow.





Can you confirm we should leave our "midterm\_conn" credentials as "dbuser" and "dbuserdbuser" when we submit our midterm notebooks?

```
midterm_conn = pymysql.connect( host="localhost", user="dbuser", password="dbuser", cursorclass=pymysql.cursors.DictCursor)
```

>>Environment Test This section tests the environment. You must change the "userid:pw" to the correct user ID and password for your MySQL instance. Please change back to "userid:pw" before submitting your exam. Unless you have received an exception, you MUST USE dbuser:dbuserdbuser.

I am unsure whether this below line - >> Please change back to "userid:pw" before submitting your exam - means we should a) leave our pymysql credentials as "dbuser" and "dbuserdbuser" or

b) change it back to "userid" "pw" - if so, in which line should we do this?

or

c) something else.