COMM1822

Term 2 2022

Introduction to Databases for Business Analytics

Week 8
Data Manipulation Language
Big Data

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PASS Leader: Srilekha Chandrashekara Kolaki

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Copyright

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- If you upload your original wor   other student downloads
and presents it as their own eit **it not be found guilty of collusion — even years after graduatio**

- These file-sharing websites may also accept purchase of course materials, **such as copies of <u>lecture slides</u> and <u>tutorial handouts</u>. By law, the copyright on course materials, developed by UNSW staff in the course of their employment, belongs to UNSW. It constitutes copyright infringement, if not academic misconduct, to trade these materials.**

Acknowledgement of Country

UNSW Business School acknowledges the Bidjigal (Kensington campus) and Gadigal (City campus) the traditional custodians of the lands where each campus is located.

We acknowledge all Aboriginal and Torres Strait Islander Elders, past and present and their communities who have shared and practiced their teachings over thousands of years including business practices.

We recognise Aboriginal and Torres Strait Islander people's ongoing leadership and contributions, including to business, education and industry.

UNSW Business School. (2022, May 7). *Acknowledgement of Country* [online video]. Retrieved from https://vimeo.com/369229957/d995d8087f

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Agenda

❑ **Housekeeping**

❑ Discussion of Data Manipulation Language

❑ Week 8 Sandbox Acti

❑ Big Data

Academic Integrity

- Information on the dangers of contract cheating can be found here: [Contract cheating | Equity Diversity & Inclusion - UNSW Sydney](#)

- Apart from internal services to support students, the only external service officially sanc _____ arthinking.

- In addition to advising the dangers posed by contract cheating companies, UNS l be taking necessary steps, and UNSW will also assess eferral to TEQSA is appropriate.

- If you would like any advice or assistance with these conversations, please contact the Conduct and Integrity Office, studentconduct@unsw.edu.au

COMM1822 Consultation

What	Who	When	How
Consultation with the LiC	Kam-Fung Cheung		Send an email to book a time: kf.cheung@unsw.edu.au

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COMM1822 PASS Class

What	Who	When	How
PASS Class	Srilekha Kolaki		Online via ps://au.bbcollab.com/guest/734c9 0ddf42d2868fc2304b801d82 s.kolaki@student.unsw.edu.au

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Assignment Help

❑ Contact your tutor today if there exist unequal contribution issues within a group.

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❑ Groups: Check the https://eduassistpro.github.io/ oodle.

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Assignment – Database Implementation

❑Populate the database with at least <u>ten sample records</u> in each table

❑Ensure your sample data can return the queries as specified in the assignment

❑Do not change your login password

❑**Disregard the existing DB in the count.**

❑If more than one person works on a table and makes changes, this might create errors in the DB and the account. Please collaborate within the group who will be what and when!

Agenda

- Housekeeping

- **Discussion of Data Manipulation Language**

- Week 8 Sandbox Acti

- Big Data

Week 8 Lab Manual Discussion

❑ What is Data Manipulation Language, and what is Data Definition Language (DDL)?

❑ When would we us nsider some examples.

❑ What are some examples of DML statements, and what do they do?

Agenda

❑ Housekeeping

❑ Discussion of Data Manipulation Language

❑ **Week 8 Sandbox**

❑ Big Data

Week 8 Sandbox Activity

1. The restaurant's drinks supplier has recently increased the cost price of Peach and Yoghurt Soju to $15 and $17 respectively. Modify the database to reflect these price changes.

2. A new chef has recently been hired by the restaurant. Add a new row in the CHEF table with the following data: Staff_id = C0007, Name = Boba Fett, Gender = M, Salary = 40000, and Phone_number = 425333649.

3. Minimum rates for chefs have i   or all Chefs to be a minimum (i.e. do not update downward) of $62,0

4. Create a new table of chef assistants with:
   - A variable string staff_id (the Primary Key)
   - A number containing hourly_rate
   - A foreign key chef_id referencing the Chef they assist.
   - A hire_date field that automatically populates with the current date when a new entry is inserted.

5. Undo all your changes you have made to the database.

Week 8 Sandbox Activity

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Week 8 Sandbox Activity

2. A new chef has recently been hired by the restaurant. Add a new row in the CHEF table with the following data: Staff_id = C0007, Name = Boba Fett, Gender = M, Salary = 4000c, and Phone_number = 425533649.

Week 8 Sandbox Activity

3. Minimum rates for chefs have increased. Update the salaries for all Chefs to be a minimum (i.e. do not update downward) of $62,000.

Week 8 Sandbox Activity

4. Create a new table of chef assistants with:

- *A variable string staff_id (the Primary Key)*

- *A number containing hourly_rate*

- *A foreign key chef_id referencing the Chef they assist.*

- *A hire_date field that automatically populates with the current date when a new entry is inserted.*

Week 8 Sandbox Activity

5. Undo all your changes you have made to the database.

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Online Safety - Break

- Rest Breaks: https://safety.unsw.edu.au/office-safety-toolkit/rest-breaks
- WorkRave at UNSW: https://safety.unsw.edu.au/sites/default/files/documents/UNSW_WorkRave_V1.0.pdf
- Setting up you Workstatio ~~~~~~~~~~~~~~~~~~~~~~~ edu.au/setting-your-workstation-video
- Online Safety and Wellbeing Tutorial: htt ~~~~~~~~~~~~ t.unsw.edu.au/safety
- SafeWork 6 Simple stretches: https://w ~~~~~~~~~~~~~~~~~ rk.nsw.gov.au/resource-library/six-simple-stretches

Break

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Agenda

❑ Housekeeping

❑ Discussion of Data Manipulation Language

❑ Week 8 Sandbox A

❑ **Big Data**

Big Data

1. What do you know about "Big Data"?

2. Give some examples on Big Data?

3. What are the 3Vs of

4. How can data analyt

xecute their strategy more efficiently? And increase ret estment (ROI)?

5. **Research a company of your choice (could be social media) and propose a Big Data strategy? How they will use it, and how it will help their business (considering the 3Vs). (30 min in breakout rooms / groups)**

6. Present your work in groups (2 min per group)

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Source: https://blog.hootsuite.com/simon-kemp-social-media/