

# COMM1822

Term 2 2022

## Introduction to Databases for Business Analytics

Assignment Project Exam Help

<https://powcoder.com>

Add WeChat powcoder

Week 10

Database Access Control

Lecturer-in-Charge: Kam-Fung (Henry) Cheung

Email: [kf.cheung@unsw.edu.au](mailto:kf.cheung@unsw.edu.au)

Tutors: Theresa Tran

Liam Li Chen

Kathy Xu

PASS Leader: Srilekha Chandrashekara Kolaki



Assignment Project Exam Help  
**Week 10 Welcome Video**  
<https://powcoder.com>

Add WeChat powcoder

# WARNING

This material has been reproduced and communicated to you by or on behalf of the University of New South Wales in accordance with section 113P(1) of the Copyright Act 1968 (Act). The material in this communication may be subject to copyright under the Act. Any further reproduction or communication of this material by you may be the subject of copyright protection under the Act.

Do not remove this notice

# Copyright

- There are some file-sharing websites that specialise in buying and selling academic work to and from university students.

**Assignment Project Exam Help**

- If you upload your original work to these websites, and if another student downloads and presents it as their own either wholly or partially, **you might be found guilty of collusion — even years after graduation.**

**Add WeChat powcoder**

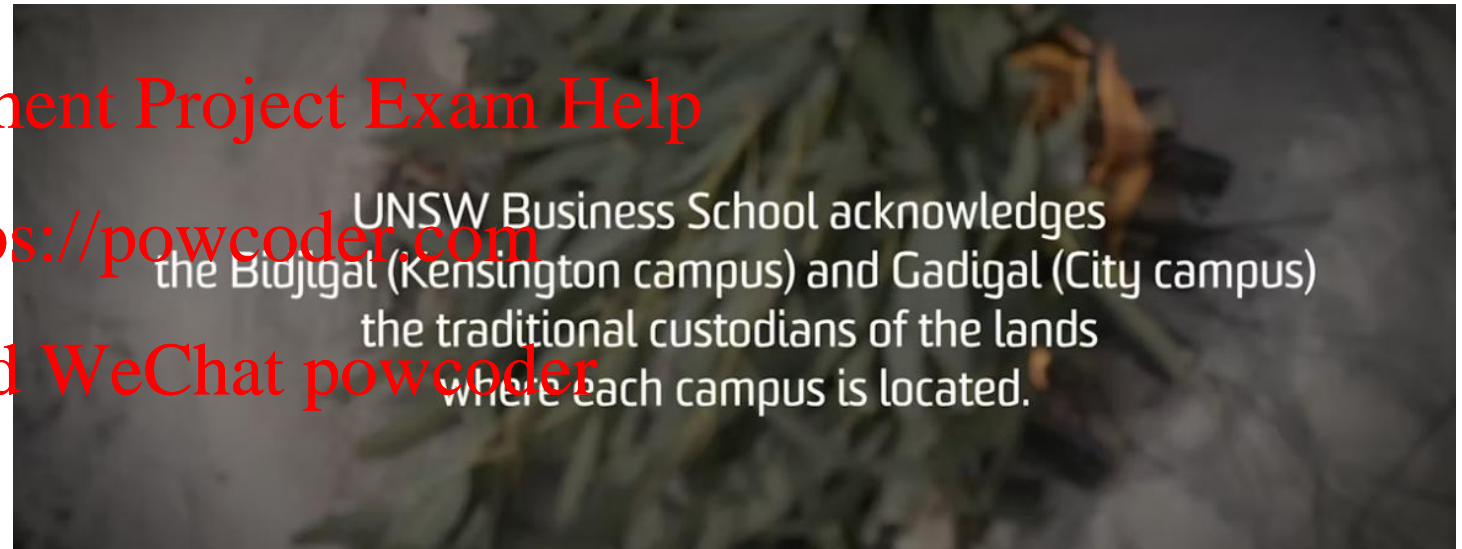
- These file-sharing websites may also accept purchase of course materials, **such as copies of lecture slides and tutorial handouts. By law, the copyright on course materials, developed by UNSW staff in the course of their employment, belongs to UNSW. It constitutes copyright infringement, if not academic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

# COMM1822 Consultation

What	Who	When	How
Consultation with the LiC	Kam-Fung (Henry) Cheung	Tuesday 10.00 - 11.00 am (AEST)	Send an email to book a time: <a href="mailto:kf.cheung@unsw.edu.au">kf.cheung@unsw.edu.au</a>

Assignment Project Exam Help

<https://powcoder.com>

Add WeChat powcoder

# COMM1822 PASS Class

What	Who	When	How
PASS Class	Srilekha Kolaki	Friday 10:00 – 11:00 am (AEST)	Online via <a href="https://au.bbcollab.com/guest/734c929b0ddf42d2868fc2304b801d82">https://au.bbcollab.com/guest/734c929b0ddf42d2868fc2304b801d82</a> Email: <a href="mailto:s.kolaki@student.unsw.edu.au">s.kolaki@student.unsw.edu.au</a>

Assignment Project Exam Help

<https://powcoder.com>

Add WeChat powcoder

# Agenda

- ❑ MyExperience
- ❑ Discussion of Database Access Control **Assignment Project Exam Help**
- ❑ Week 10 Demo Script **<https://powcoder.com>**
- ❑ Week 10 Sandbox Activity **Add WeChat powcoder**



# MyExperience

Our aim is **80%** response rate!  
**Assignment Project Exam Help**

Please fill in the MyExperience survey now!  
**<https://powcoder.com>**

**<https://web.microsoftstream.com/video/48ac8258-0c17-4b84-89c7-80dff76e6db5>**  
**Add WeChat powcoder**

**Thank you for being so patient with us and we look forward to your feedback.**



**Tell us about your  
experience. Shape  
the future of  
education at UNSW.**

Visit [Moodle](https://moodle.unsw.edu.au) to complete  
the myExperience survey or  
accessing  
[myexperience.unsw.edu.au](https://myexperience.unsw.edu.au)  
directly.

**Assignment Project Exam Help**

**<https://powcoder.com>**

**Add WeChat powcoder**

# Agenda

☐ MyExperience

☐ Discussion of Database Access Control

Assignment Project Exam Help

<https://powcoder.com>

☐ Week 10 Demo Script

Add WeChat powcoder

☐ Week 10 Sandbox Activity

# Week 10 Lab Manual Discussion

1. What is Access Control?
2. What is the purpose of using a view?  
Assignment Project Exam Help
3. What new concept has been introduced?  
<https://powcoder.com>
4. What new clauses have been introduced?  
Add WeChat powcoder
5. What are the DCL commands?

# Agenda

☐ MyExperience

☐ Discussion of Database Access Control

Assignment Project Exam Help

<https://powcoder.com>

☐ **Week 10 Demo Script**

Add WeChat powcoder

☐ Week 10 Sandbox Activity

# W10 Demo Script

Today's Topic: "Views"

Assignment Project Exam Help

Open Week 10 Demo Script (Oracle demo) from Moodle

<https://powcoder.com>

Add WeChat powcoder

# 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](https://safety.unsw.edu.au/sites/default/files/documents/UNSW_WorkRave_V1.0.pdf)
- Setting up you Workstation : <https://safety.unsw.edu.au/setting-your-workstation-video>
- Online Safety and Wellbeing Tutorial: <https://student.unsw.edu.au/safety>
- SafeWork 6 Simple stretches: <https://www.safework.nsw.gov.au/resource-library/six-simple-stretches>

Assignment Project Exam Help

<https://powcoder.com>

Add WeChat poweoder

# Break

Assignment Project Exam Help  
Take a 5 minute break  
<https://powcoder.com>

Add WeChat powcoder



# Agenda

☐ MyExperience

☐ Discussion of Database Access Control

Assignment Project Exam Help

<https://powcoder.com>

☐ Week 10 Demo Script

Add WeChat powcoder

☐ **Week 10 Sandbox Activity**

# Week 10 Sandbox Activity

1. Create a view of all food items that cost less than the average.
2. Query the view created in Q1 – how many different foods in this list have never been ordered?
3. List a report showing each chef's salary and how many DIFFERENT food items they have cooked. Also include how far above or below the highest paid chef they are.
4. Create a output (using two queries) showing:
  - a. Each food item, and the number of times it has been ordered.
  - b. Each drink item, and the number of customers who have ordered it.

Call the columns "Item name" and "Volume" and order by volume descending, and then Item Name in backwards alphabetical order.

5. Create an output of the same as Q3, but using one query.

# Week 10 Sandbox Activity

1. Create a view of all food items that cost less than the average

```
CREATE OR REPLACE VIEW less_than_avg_food AS  
SELECT      *  
FROM        FOOD  
WHERE       price < (SELECT avg(price) FROM FOOD);
```

Assignment Project Exam Help  
<https://powcoder.com>  
Add WeChat powcoder

# Week 10 Sandbox Activity

2. Query the view created in Q1 – how many different foods in this list have never been ordered?

Assignment Project Exam Help  
<https://powcoder.com>  
Add WeChat powcoder

```
SELECT count(distinct food_id) "Never ordered, less than average"  
FROM less_than_avg_food  
WHERE food_id NOT IN (SELECT distinct food_id from ORDERS);
```

# Week 10 Sandbox Activity

3. List a report showing each chef's salary and how many food items they have cooked. Also include how far above or below the highest paid chef they are.

Assignment Project Exam Help

```
SELECT c.name, c.salary, count(distinct f.food_id) "Dishes Prepared", salary -  
(SELECT MAX(SALARY) FROM CHEF) "Above or below max"  
FROM chef c INNER JOIN cooks co ON c.staff_id = co.staff_id  
INNER JOIN food f ON co.food_id = f.food_id  
GROUP BY c.name, c.salary;
```

<https://powcoder.com>

Add WeChat powcoder

# Week 10 Sandbox Activity

4. Create a output (using two queries) showing:
- Each food item, and the number of times it has been ordered
  - Each drink item, and the number of customers who have ordered it.

Call the columns "Item name" and "Volume" and order by volume descending, and then Item Name in backwards alphabetical order.

```
SELECT      f.dish_name "Item Name", count(*) AS Volume
FROM        food f INNER JOIN orders o ON f.food_id = o.food_id
GROUP BY    f.dish_name
ORDER BY    Volume DESC, "Item Name" DESC;
```

```
SELECT      d.drink_name "Item Name", count(o.customer_id) AS Volume
FROM        drinks d INNER JOIN orders o ON d.drink_id = o.drink_id
GROUP BY    d.drink_name
ORDER BY    Volume DESC, "Item Name" DESC;
```

Assignment Project Exam Help

<https://powcoder.com>

Add WeChat powcoder

# Week 10 Sandbox Activity

5. Create an output of the same as Q3, but using one query.

```
SELECT *  
FROM  
(  
    SELECT f.dish_name "Item Name", count(*) AS Volume  
    FROM food f INNER JOIN orders o ON f.food_id = o.food_id  
    GROUP BY f.dish_name  
  
    UNION ALL  
  
    SELECT d.drink_name, count(o.customer_id)  
    FROM drinks d INNER JOIN orders o ON d.drink_id = o.drink_id  
    GROUP BY d.drink_name  
)  
ORDER BY Volume DESC, "Item Name" DESC;
```

Assignment Project Exam Help

<https://powcoder.com>

Add WeChat powcoder

# Questions

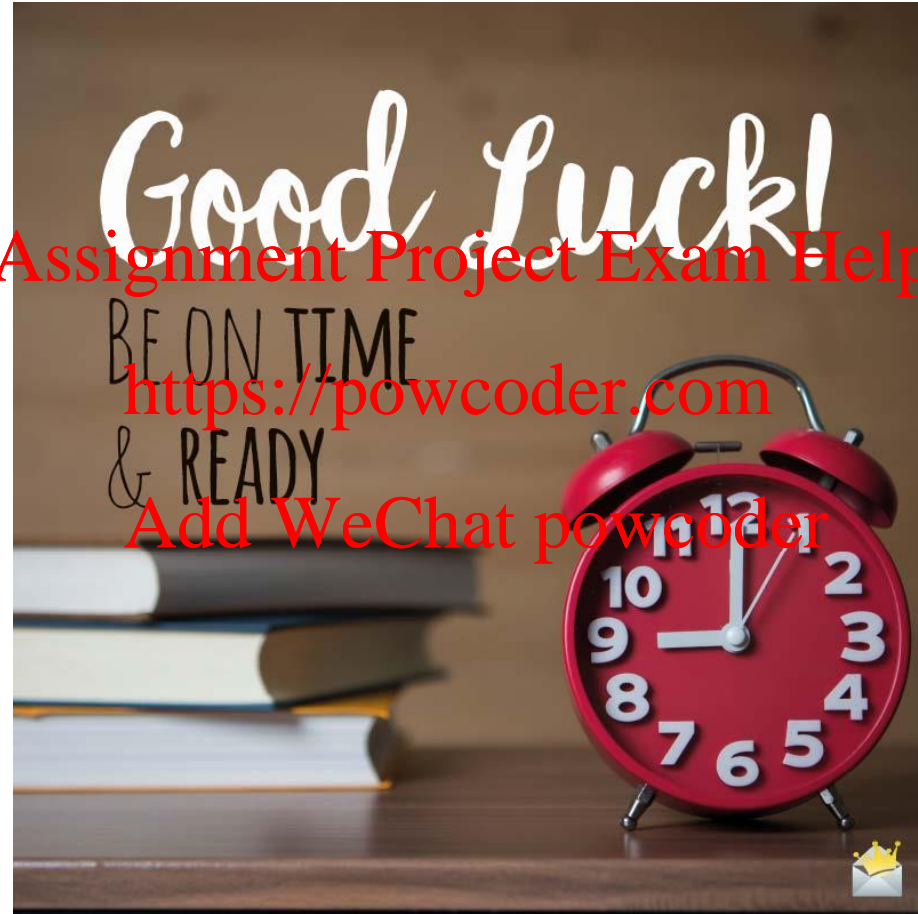
Assignment Project Exam Help

<https://powcoder.com>

Add WeChat powcoder



# Thank You and All the Best!



Source: happybirthdaymsg.com