A logo of a university of windsor

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**University of Windsor**

Lab 3

COMP 8157 | Advanced Database Topics – Summer 2025

Names:

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First we create database and tables

A screenshot of a computer code

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A close-up of a computer code

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Then we insert the sample data

A close-up of a computer screen

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We are creating a stored procedure where

- Name of the procedure: < Group\_Number >\_spInsertStudentRegistration which takes StudentID and CourseID as input parameters **(10 marks)**.

- Check the availability of seats in the provided course table **(10 marks)**.

- Decrease the availability of seats in the Courses Table **(10 marks)**.

- Add Course credits of the Courses table to the Student Total credits in the Students table **(10 marks)**.

- If the available seats are less than or equal to 0 then the transaction should be rolled back and print the message ‘Course is full. Registration failed’ **(10 marks)**.

A screen shot of a computer code

AI-generated content may be incorrect.

A computer screen shot of a message

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a Peter Johnson registers for Chemistry **(5 marks)**.

After running stored procedures

A screenshot of a computer

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Now we run select statements

A screenshot of a computer

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b Sara Adams registers for Computer Science **(5 marks)**.

A screenshot of a computer

AI-generated content may be incorrect.

c Sarah Adams for Physics **(5 marks)**.

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d Peter Johnson registers for Computer Science **(5 marks)**.

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A document with text and images

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