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# LAB SEVEN

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## STORED PROCEDURES

*CS1103, Winter 2021*

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## LEARNING OUTCOMES

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At the conclusion of the lab, students should be able to

- Build and use simple stored procedures using PL/SQL

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## BACKGROUND

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Read through the accompanying document on PL/SQL.

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## EXERCISE

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For this lab, use the existing tables from Lab Six, with the following addition

- Add a scholarship column of type INT and default value of 0 to the Student table

Write a stored procedure called AcceptStudent that inserts a row into the Student table once a student has been accepted. The procedure should have the following parameters:

- Student name (string)
- Email address (string)
- High school average (floating point value)

In addition, the stored procedure should calculate and assign an entrance scholarship according to the following:

- HS average > 90 then scholarship =1500
- HS average between 85 and 90 then scholarship =1000
- HS average <85 then scholarship =0
- A custom-error should be issued if the mark is out of range

Also create script(s) to test the procedure

- 3 valid test cases
- 1 test case with high school average out of range
- the resulting table

## SUBMISSION

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Before 4:30pm on the day after this lab, students should submit online to the lms

- The word-processor report as a pdf file, containing the evidence of your stored procedure definition and tests as described above.