

Database Workshop March 2024

Date: 22 March 2024 to 23 March 2024

Time: 7pm-10pm (22 March 2024), 12:00 pm-3:00 pm (23 March 2024)

Venue : Block A, LT A.1.17

SIMConnect Class Group: W01

Based on your current study progression, you should be taking CSCI235 Database Systems in Q2'2023 (March-May). Please note that this Database Systems Workshop is the preparation course for CSCI235, especially if you have been exempted from its pre-requisite CSIT115 Data Management and Security. Due to the number of students attending the session, we will be conducting the workshop in a lecture theatre to accommodate all the students taking CSCI235. Please bring your own laptop as there will be hands-on practices. There will be power sockets in the venue at alternate seats, but you may want to fully charge your laptop before attending the workshop.

The workshop aims to:

1. revise the concepts of data modelling;
2. provide the participants the understanding of how relational tables are implemented and manipulate in Oracle Relational Database Management System (RDBMS);
3. explain the important Structure Query Language (SQL) skills to create and manipulate relational tables;
4. explain the differences between Data Definition Language (DDL) and Data Manipulation Language (DML) of SQL;
5. examine various construct of structure query language (SQL);
6. practice using SQL*Plus to access an Oracle database;

Upon completion of this Workshop, a participant will be able to:

1. perform data modelling;
2. describe how relational tables are implemented and manipulated using Oracle RDBMS;
3. state the important of Structure Query Language (SQL);
4. differentiate the differences between Data Definition Language (DDL) and Data Manipulation Language (DML);
5. perform database operations using SQL;
6. construct SQL commands to perform database operations using SQL*Plus;