

Database Practising

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SOICT

SCHOOL OF INFORMATION AND COMMUNICATION TECHNOLOGY

GOAL

- Skill need to be achieved: Using RDBMS to **write SQL queries**.

Rank			DBMS	Database Model	Score		
Mar 2022	Feb 2022	Mar 2021			Mar 2022	Feb 2022	Mar 2021
1.	1.	1.	Oracle +	Relational, Multi-model i	1251.32	-5.51	-70.42
2.	2.	2.	MySQL +	Relational, Multi-model i	1198.23	-16.45	-56.59
3.	3.	3.	Microsoft SQL Server +	Relational, Multi-model i	933.78	-15.27	-81.52
4.	4.	4.	PostgreSQL +	Relational, Multi-model i	616.93	+7.54	+67.64
5.	5.	5.	MongoDB +	Document, Multi-model i	485.66	-2.98	+23.27
6.	6.	↑ 7.	Redis +	Key-value, Multi-model i	176.76	+0.96	+22.61
7.	7.	↓ 6.	IBM Db2	Relational, Multi-model i	162.15	-0.73	+6.14
8.	8.	8.	Elasticsearch	Search engine, Multi-model i	159.95	-2.35	+7.61
9.	9.	↑ 10.	Microsoft Access	Relational	135.43	+4.17	+17.29
10.	10.	↓ 9.	SQLite +	Relational	132.18	+3.81	+9.54

Schedule

Lesson	Content	Note
1	Introduction to DBMS (SQL Server) Database definition (Create table, diagram, insert data) Backup and restore database	+ DatabaseSchema.docx + 1_ Insert Rows into the Table + 1_ Update Table.docx + DB_Introduction.pdf + Lab1_DataDefinition.pdf
2	SQL - Basic	+ 2_Basic SELECT statement.docx + 2_JOIN Statement.docx + Lab2_BasicSQL.pdf
3	SQL- Advanced	+ 3.Aggregate Function and Group by. Docx +Lab3_AdvanceSQL.pdf
4	SQL – Advanced (...)	+ 4. Subquery.docx + 4. Function_string.docx
5	Mini- Test. (50 minutes)	

Grade

- Progress grade (40%) : submit assignment in time (on Team online class). (each assignment is equivalent to 2.5 point)
- Mini-test grade(60%): evaluating at class in the final lesson
(Using 10 points scale)

$$\text{Practical Grade} = \text{Progress grade} * 0.4 + \text{Mini-test} * 0.6$$

Having any problems relate to subject, please ask me or Teaching assistant!

Guide to submit assignment each lesson on TEAM

Each student creates a text file (.sql) to store the answers for each lesson.

The template for the file is as follows:

- File name: **your full name_student ID**. *For example, Nguyen Van An_202001*
- File content: has the comment above the answer to indicate the related question.

For example:

//1. Define a database named **db_StudentID**, for example **db_202001**. Next, define the tables in the database, and add sample data to each table

CREATE

After finishing the class, you need to submit your file to the Assignment on Team.

