Lab 1 - Introduction to SQL

Content:

- Starting MS SQL Server 2014
- Managing tables in MS SQL Server 2014
- Practicing SQL statements

References

- Lab 1 – Database system (Instruction)
- Book: Beginning SQL Server 2012 for Developers
- Tutorial: http://www.tutorialspoint.com/sql/sql-create-database.htm

Task 1: Starting MS SQL Server 2014-

<Follow the instruction in Lab 1 – Database system>

Task 2: Managing tables in MS SQL Server 2014-

<Follow the instruction in Lab 1 – Database system>

Task 3: Practicing SQL statements

Write queries to

- create a database as the example in http://www.tutorialspoint.com/sql/sql-create-database.htm,
- create a table as the example in http://www.tutorialspoint.com/sql/sql-create-table.htm in the above created database,

Design a student database including 3 tables below:

- Students (Sid: char(10), Sname: nvarchar(30), Dob: date, Address: nvarchar(50), ID_card: char(12))
- Course (Cid: char(12), Cname: nvarchar(30), Credit: int)
- Enrolled (Sid: char(10), Cid: char(12), Day: date)
- For each of the created tables, insert 5 rows of data and select all rows to check the table data.

Submit the Student.bak and Student.sql files after finish the following steps:

- Back up the Student database as a .bak file: https://docs.microsoft.com/en-us/sql/relational-databases/backup-restore/create-a-full-database-backup-sql-server?view=sql-server-ver15#a-full-back-up-to-disk-to-default-location

- Generating the Student database as a .sql file: https://docs.microsoft.com/en-us/sql/ssms/tutorials/scripting-ssms?view=sql-server-ver15#script-databases

https://mariadb.com/kb/en/library/grant/

https://mariadb.com/kb/en/library/show-databases/