

CIS 11051 – PRACTICAL FOR DATABASE DESIGN
DEPARTMENT OF ICT
FACULTY OF TECHNOLOGY
SOUTH EASTERN UNIVERSITY OF SRI LANKA

Lab Sheet: 05 Part-2

Date:

Title: Introduction to MySQL and Database Tables.

Aim:

- Getting knowledge with the fundamentals of MySQL.
- Getting practice to work with databases and tables in MySQL.

Tasks:

- Creating a database
- Using a database
- Creating a table
- Describing table
- Insert data into a table

Exercise 1:

As an IT student you are given a project to design a system, that manages the vaccination process of university under graduates. Once the requirements are gathered, you are required to design the database for the system so that it will store the details of vaccinated students.

In order to work on the task stated above, you are supposed to use MySQL and perform the procedures listed below.

1. Create a database named ***“VaccinatedStudent”***.
2. Use the database ***“VaccinatedStudent”***.
3. Create the table ***“VaccinatedStudentDeatails”*** in the database Vaccinated Student.

<i>Column Name</i>	<i>Data Type</i>
<i>ID</i>	<i>INT</i>
<i>First Name</i>	<i>VARCHAR (15)</i>
<i>Last Name</i>	<i>VARCHAR (15)</i>
<i>DOB</i>	<i>DATE</i>
<i>Address</i>	<i>VARCHAR (30)</i>

4. Describe your table to view the structure of your table.

5. Insert the following data into table ***VaccinatedStudentDetails***.

<i>Sid</i>	<i>FName</i>	<i>LName</i>	<i>DOB</i>	<i>Address</i>
<i>1</i>	<i>John</i>	<i>Smith</i>	<i>1998-01-19</i>	<i>Kandy Road, Ampara</i>
<i>2</i>	<i>Franklin</i>	<i>Loshan</i>	<i>1999-06-20</i>	<i>Berry Hills, Matara</i>
<i>3</i>	<i>Mohamed</i>	<i>Shan</i>	<i>2000-10-26</i>	<i>26, Stone Lane, Jaffna</i>
<i>4</i>	<i>Ramesh</i>	<i>Narayan</i>	<i>1998- 09-05</i>	<i>Park Road, Kandy</i>

6. Create a table “***VaccineDetails***” in the same database as follows:

<i>Column Name</i>	<i>Data Type</i>
<i>VName</i>	<i>VARCHAR (15)</i>
<i>VSerialNumber</i>	<i>INT</i>
<i>Manufacturer</i>	<i>CHAR (30)</i>

7. Describe your table to view the structure of your table.

8. Insert the following data into table ***VaccineDetails***.

<i>VName</i>	<i>VSerialNumber</i>	<i>Manufacturer</i>
<i>Sinofarm</i>	<i>1</i>	<i>China</i>
<i>Pfizer</i>	<i>2</i>	<i>USA</i>
<i>Astrazeneca</i>	<i>3</i>	<i>UK</i>
<i>Sputnik V</i>	<i>4</i>	<i>Russia</i>

9. Find out the available tables in this database Student.

10. Find out the available databases.

Discussion:

- MySQL Database
- MySQL Data types