

Problem Session #01 Getting started

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Task 1: Identify Data Requirements

01: a law firm wants to keep employees and their offices.

1. employees(employee_id, firstname, middlename, lastname, job_title, hire_date, email, phone, office_id, status, created_at)
2. offices(office_id, office_name, address_line1, address_line2, city, state, postal_code, country, phone)

02: Thai customs want to keep tourists and their passports that they used to enter Thailand.

1. tourists(passport_id, firstname, lastname, sex, date_of_birth, nationality, create_at, expired_at)

03: An airline wants to keep customers and their booking flights.

1. customers(customer_id, firstname, lastname, identification_id)
2. flight(flight_id, flight_code, date, airline, seat, start, destination)

04: A bank wants to keep customers and their accounts.

1. customers(customer_id, firstname, lastname, phone_number)
2. accounts(account_id, account_type, balance, create_at, delete_at)

05: A car dealer that wants to store cars, customers, and orders.

1. cars(cars_id, brand, name, type, miles, price, created_at)
2. customers(customers_id, firstname, lastname, phone, work)
3. orders(order_id, customer_name, cars_name, price, order_status, created_at)

06: A film archive that wants to store movies, actors, and casts.

1. movies(movie_id, title, release_year, genre, duration)
2. actors(actor_id, first_name, last_name, date_of_birth, nationality)
3. casts(cast_id, movie_id, actor_id, role_name)

07: A hospital that wants to store patients, doctors, and appointments.

1. patients(patient_id, first_name, last_name, date_of_birth, phone)
2. doctors(doctor_id, first_name, last_name, specialization, phone)
3. appointments(appointment_id, patient_id, doctor_id, appointment_date, appointment_time, reason)

08: A company that wants to store departments, employees, employee phone numbers.

1. departments(department_id, department_name, location)
2. employees(employee_id, first_name, last_name, job_title, department_id)
3. employee_phones(phone_id, employee_id, phone_number, phone_type)

09: A supermarket that wants to store products, receipts, and reviews.

1. product(product_id, name, ingredient, date of production, expiry date)
2. receipt_item(receipt_item_id, product_id, name_product, price_of_product, date, receipt_id)
3. Receipt(receipt_id, total_price, branch)

10: A bookstore wants to keep books and authors of each book.

1. book(book_id, author, type, production_date)
2. author(id, firstname, lastname, phone, address)

11: An online store that wants to store customers, products, and reviews

1. customers(customers_id, firstname, lastname, phone, work)
2. products(product_id, name, description, price, stock_quantity)
3. reviews(review_id, customer_id, product_id, rating, comment, review_date)

12: A restaurant wants to keep tables, menus, and order of each table.

1. table(table_id, order, number_people)
2. menu(menu_id, name, price)
3. order(order_id, name_menu, menu_id, table_id)

Task 2: Set Up Development Environment

ฐานข้อมูลและเครื่องมือที่ใช้งาน

RDBMS	MySQL
Database management GUI	phpMyAdmin

Run SQL query/queries on server "db_default":

```
1 CREATE DATABASE students;
2 SHOW DATABASES;
```

Bind parameters

Delimiter Show this query here again Retain query box Rollback when finished Enable foreign key checks

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0222 seconds.)

```
CREATE DATABASE students;
```

[[Edit inline](#)] [[Edit](#)] [[Create PHP code](#)]

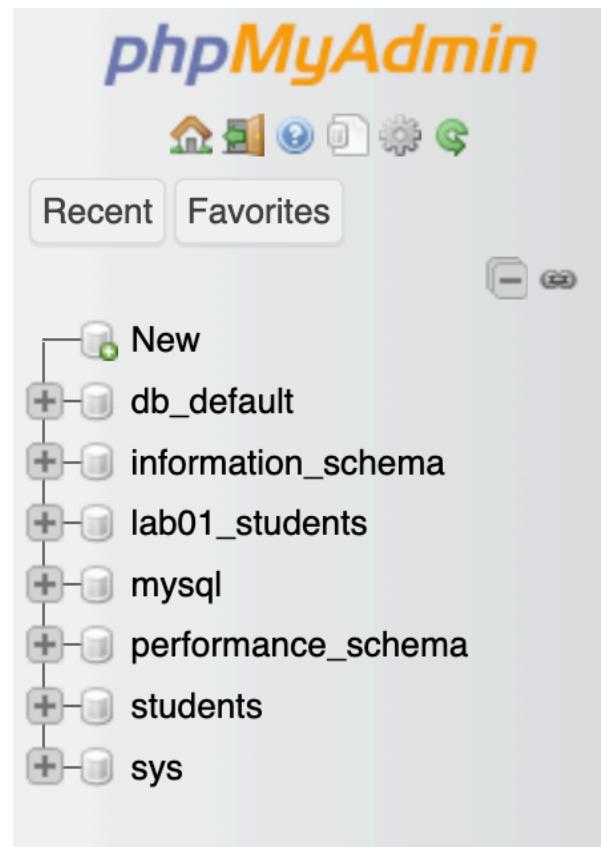
Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Your SQL query has been executed successfully. (Query took 0.0004 seconds.)

```
SHOW DATABASES;
```

Profiling [[Edit inline](#)] [[Edit](#)] [[Create PHP code](#)] [[Refresh](#)]

รูปภาพแสดงผลการทำงานของ SQL commands (1)



รูปภาพแสดงผลการทำงานของ SQL commands (2)