Tab 1

# XAMPP & MySQL – 1-Page Cheat Sheet

**Holy Angel University | School of Computing**
**Lastname used:** CAROSUS (ONLY last name in CAPS)

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## STARTING XAMPP

1. Open **XAMPP Control Panel**
2. Click **Start** on **Apache** and **MySQL** (both must turn green)
3. Click **SHELL**
4. Type and press ENTER:

mysql -u root

✔ You should see: `mysql>`

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## EXERCISE 1 – CREATE DATABASE

CREATE DATABASE myschool_CAROSUS;
SHOW DATABASES;
USE myschool_CAROSUS;
CREATE DATABASE myschool_CAROSUS;

✔ Expect: database listed, then an ERROR saying database exists (this is correct)

📸 Screenshot name:

XAMPP2_CREATEDB_Carosus

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## EXERCISE 2 – CREATE TABLE

CREATE TABLE mystudents_CAROSUS (
 id INT AUTO_INCREMENT PRIMARY KEY,
 name VARCHAR(50),

```
  age INT,
  grade VARCHAR(5)
);
SHOW TABLES;
```

✔ Expect: `mystudents_CAROSUS`

📷 Screenshot name:

XAMPP2_CREATETB_Carosus

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# EXERCISE 3 – DATA DICTIONARY

DESCRIBE mystudents_CAROSUS;
SHOW COLUMNS FROM mystudents_CAROSUS;

SELECT COLUMN_NAME, DATA_TYPE, IS_NULLABLE, COLUMN_KEY, COLUMN_DEFAULT
FROM INFORMATION_SCHEMA.COLUMNS
WHERE TABLE_NAME = 'mystudents_CAROSUS'
AND TABLE_SCHEMA = 'myschool_CAROSUS';

✔ Expect: column details and metadata

📷 Screenshot name:

XAMPP2_DICTIONARY_Carosus

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# EXERCISE 4 – PHPMYADMIN STRUCTURE

1. XAMPP → **Admin** (MySQL)
2. Click **myschool_CAROSUS**
3. Click **mystudents_CAROSUS**
4. Open **Structure** tab

📷 Screenshot name:

XAMPP2_PHP_Carosus

# EXERCISE 5 – INSERT & VIEW DATA

INSERT INTO mystudents_CAROSUS (name, age, grade) VALUES
('John', 15, 'A'),
('Sarah', 16, 'B'),
('Alex', 14, 'A'),
('Emma', 15, 'C'),
('Michael', 13, 'B'),
('Khatz', 14, 'A'),
('Melvin', 17, 'D'),
('Kevin', 25, 'D');

SELECT * FROM mystudents_CAROSUS;

✔ Expect: 8 rows displayed

📷 Screenshot name:

XAMPP2_DATA_Carosus

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# QUICK REMINDERS

- Always show **Canvas + Date & Time** in screenshots
- Commands must be **clearly visible**
- Use **CAROSUS** consistently

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**END OF CHEAT SHEET**

# XAMPP & MySQL – CONTINUATION CHEAT SHEET

**Holy Angel University | School of Computing**
**Lastname used:** CAROSUS (ONLY last name in CAPS)

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## BEFORE YOU START

✔ XAMPP Control Panel → **Start Apache & MySQL**
✔ Click **SHELL**
✔ Login:

mysql -u root

✔ Use database:

USE myschool_CAROSUS;

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## 1. SELECT STATEMENTS

SELECT * FROM mystudents_CAROSUS;

SELECT * FROM mystudents_CAROSUS WHERE grade = 'A';

SELECT id, name, grade FROM mystudents_CAROSUS WHERE age < 17;

✔ Expect: full table → filtered by grade A → filtered by age

📸 Screenshot filename:

XAMPP2_SELECT_Carosus

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## 2. UPDATE STATEMENT

UPDATE mystudents_CAROSUS SET grade = 'A' WHERE name = 'Kevin';

SELECT * FROM mystudents_CAROSUS WHERE grade = 'A';

✔ Expect: Kevin now appears with grade A

📸 Screenshot filename:

XAMPP2_UPDATE_Carosus

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## 3. ALTER STATEMENT

ALTER TABLE mystudents_CAROSUS ADD email VARCHAR(35);

DESCRIBE mystudents_CAROSUS;

✔ Expect: new column **email** shown

📸 Screenshot filename:

XAMPP2_ALTER_Carosus

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## 4. INSERT (YOUR OWN RECORD)

✎ Replace with **your real details**

INSERT INTO mystudents_CAROSUS (name, age, grade, email) VALUES
('Cean', 20, '6IMAN', 'ceancarossus@email.com');

SELECT * FROM mystudents_CAROSUS;

✔ Expect: your name appears as the newest row

📸 Screenshot filename:

XAMPP2_INSERT_Carosus

## 5. DELETE STATEMENT

DELETE FROM mystudents_CAROSUS WHERE name = 'Melvin';

SELECT * FROM mystudents_CAROSUS;

DELETE FROM mystudents_CAROSUS;

SELECT * FROM mystudents_CAROSUS;

SHOW TABLES;

✔ Expect: Melvin removed → table emptied → table still exists

📸 Screenshot filename:

XAMPP2_DELETE_Carosus

## 6. DROP STATEMENT

DROP TABLE mystudents_CAROSUS;

SHOW TABLES;

✔ Expect: mystudents_CAROSUS no longer listed

📸 Screenshot filename:

XAMPP2_DROP_Carosus

## IMPORTANT REMINDERS

- Always include **Canvas + Date & Time** in screenshots
- Commands & results must be **clearly visible**
- Use **CAROSUS** consistently

**END OF CONTINUATION CHEAT SHEET**

Tab 2

# XAMPP & MySQL – DATABASES & TABLES CHEAT SHEET

**Objective:** Use MySQL in XAMPP for database creation and management
**Lastname used:** CAROSUS (ONLY last name in CAPS)

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# BEFORE YOU START

✔ Logged in to **Canvas**
✔ Open **XAMPP Control Panel**
✔ Click **Start** on **Apache** and **MySQL** (both green)
✔ Click **SHELL**

Login to MySQL:

mysql -u root

✔ You should see: `mysql>`

---

# PART 1: SHOWING DATABASES & TABLES

### Step 1: Show all databases
SHOW DATABASES;

✔ Expect: list of databases

📸 Screenshot filename:

XAMPPDB_Carosus_SS1

(Include Shell window + Canvas + Date & Time)

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### Step 2: Use the LAST database shown

(Replace with the **last database name you see**)

USE myschool_CAROSUS;

✔ Expect:

Database changed

---

### Step 3: Show tables in the selected database

SHOW TABLES;

✔ Expect: list of tables inside the database

📸 Screenshot filename:

XAMPPDB_Carosus_SS2

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# PART 2: CREATING DATABASES & TABLES

### Step 4: Create the PREMIERE database

CREATE DATABASE PREMIERE;

✔ Expect:

Query OK, 1 row affected

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### Step 5: Show databases (to confirm PREMIERE)

SHOW DATABASES;

✔ Expect: **PREMIERE** listed

📸 Screenshot filename:

## Step 6: Use the PREMIERE database

USE PREMIERE;

✔ Expect:

Database changed

## Step 7: Create the REP table

(Following Module 4 recording – standard REP table)

```
CREATE TABLE REP (
  rep_num CHAR(2) PRIMARY KEY,
  last_name VARCHAR(15),
  first_name VARCHAR(15),
  street VARCHAR(15),
  city VARCHAR(15),
  state CHAR(2),
  zip CHAR(5),
  commission DECIMAL(7,2),
  rate DECIMAL(3,2)
);
```

✔ Expect:

Query OK, 0 rows affected

## Step 8: Show tables in PREMIERE

SHOW TABLES;

✔ Expect: **REP** table listed

📸 Screenshot filename:

# IMPORTANT REMINDERS

- Screenshots must show:
    - XAMPP Shell
    - Executed commands + results
    - Canvas account
    - Computer date & time
- Filenames must match **exactly**
- Use **CAROSUS** consistently

**END OF CHEAT SHEET**