Creating a MySQL Database with phpMyAdmin

A database organises persistent information in related tables. This practice creates a small fictional database without prescribing an assessed design.

Create the database

1. Start Apache and MySQL.
2. Open `http://localhost/phpmyadmin/`.
3. Select **Databases**.
4. Create `campready_db` with a Unicode collation such as `utf8mb4_unicode_ci`.

Use lowercase names and underscores. Avoid spaces and personal names.

Create a practice table

Create `activities` with these columns:

Column	Type	Settings	Purpose
`activity_id`	INT	PRIMARY KEY, AUTO_INCREMENT	Unique identifier
`activity_name`	VARCHAR(100)	NOT NULL	Activity label
`location`	VARCHAR(100)	NOT NULL	Fictional location
`capacity`	INT	NOT NULL	Maximum participants

> This is practice only. Design assessment tables from the actual data, relationships and user needs.

Add fictional rows

activity_name	location	capacity
Navigation challenge	North field	24
Shelter setup	Camp zone A	30
Team cooking	Kitchen shelter	20

Leave the identifier blank because AUTO_INCREMENT creates it.

The equivalent SQL is:

```
CREATE TABLE activities (
    activity_id INT AUTO_INCREMENT PRIMARY KEY,
    activity_name VARCHAR(100) NOT NULL,
    location VARCHAR(100) NOT NULL,
    capacity INT NOT NULL
);
```

Design principles

- Give every table a primary key.
- Match data types to values.
- Use `NOT NULL` for essential values.
- Do not store several separate values in one field.
- Separate entities into related tables.
- Use fabricated classroom data only.

Verification checklist

- ☐ The database and table exist.
- ☐ The table has an auto-incrementing primary key.
- ☐ Fields use suitable types.
- ☐ Three fictional rows appear in **Browse**.
- ☐ You can explain why each field exists.

Revision #1
Created 2026-08-18 23:32:20 UTC by Mr Napper

Updated 2026-08-18 23:32:24 UTC by Mr Napper