# LAB: MySQL and PHP Basics

This document defines the **lab assignments** for the ["PHP WEB @ Software University.](https://softuni.bg/courses/php-basics/)

# Part I - SQL Queries

**All tasks must be send as SQL Scripts in one file.**

## Prepare Database

* Create new database with name “php-course”
* Create table with name “students”
* Table must contains data for:
  + Student First Name
  + Student Last Name
  + Student number
  + Phone
  + Home address
  + Date of record
  + Date of last data change
  + Is student is active or not
  + Motivation letter
  + Notes

Choose appropriate **names**, **types, sizes** and **mandatory** for each column. Determine which column should be **unique**. Do not forget Primary KEY!

## Add records

* Prepare Insert SQL with data for five students
  + Two students must have all data
  + Others - only mandatory

## Change Records

* Prepare Update SQL for data changing
  + Change phone of student with ID = 2;
  + Set address of students who do not have a number;

## Delete Records

* Prepare Delete SQL
  + Delete data for student with ID = 1;
  + Delete data for students who do not have an address
* Preparate SQL for delete all data in table

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# Part II - SQL and PHP

**All tasks must be send as PHP files**

## Add records

Create php file that get student data from standard input. First input must be integer which indicates the number of student that must be send. Next N lines wii be in this format

**<First\_name> <Last\_name> <Studen\_number> <Phone>**

None: Phone is not mandatory and can missed

All data must be saved in Database

## Change Records

## 

* Create php file that change student data from standard input.
* Input format must be

<User\_id> <param\_name> <param\_value>

* Param\_name will indicate will indicate which parameter must be change
* Param\_value will indicate will indicate new value of parameter
* New data must be saved in Database

## Delete Records

* Create php file that delete student data from standard input.
* Input format must be

<User\_id>

* Data for studen with ID = N must be deleted from Database