# 05. Basic Querying – International Educational Database Query

# Universities in USA

*Databases are foundational to many sectors including academia, where tracking and analyzing student demographics and enrollment becomes essential. Database professionals ensure that this data is organized, accurate, and readily available for academic administrators to make informed decisions.*

## Problem Description:

* You have been provided with a **script file** named **"05. Basic Querying\_db\_query.sql"** that contains a **SQL script**. Your primary task is to **utilize this script** within **MySQL Workbench**, **setting up a database** and **populating** it with the **sample data** provided.
* Here are the steps to follow to complete the task:
  + **Download** the script file **"05. Basic Querying\_db\_query.sql"** provided to you.
  + **Launch** MySQL Workbench.
  + Click on **"File"** in the toolbar
  + Choose **"Open SQL Script"** from the dropdown.
  + **Navigate to the location** where you downloaded the **"05. Basic Querying\_db\_query.sql"** file.
  + **Select the file** and click the **"Open"** button
* **MySQL Workbench** will open the script file in a **new SQL Editor tab:**
  + To **execute the script**, click the **"Execute"** button in the toolbar or press the keyboard shortcut **"Ctrl+Shift+Enter".**
* **MySQL Workbench** will now **run the SQL statements** from the script, **creating the database and inserting the sample data.**
* Your task is to **work with this existing database** and **perform basic SQL queries** using **MySQL Workbench**.

## Simple SQL Query Task:

* You are required to write a SQL query based on the provided database structure and records.
* **Write a SQL query to select the names and cities of all universities that   
  are located in "USA".**
* Please ensure that you understand the table structure and the expected output before writing the query. **Pay attention to the column names and their respective data types** when referring to the table structure.

## How to Send Solutions in Judge?

* After writing the **correct SQL query**, **copy the entire query row** and **Submit it in Judge**.

ANSWER:

SELECT name, cities FROM universities WHERE country= ‘USA’

*In the realm of software, QA professionals hold the key to data's true potential. By mastering databases, you not only ensure accuracy but also unlock deeper insights and innovations. Embrace this journey, for in data's integrity lies the foundation of software excellence.*