



**Universidade de Ribeirão Preto**  
*Campus Ribeirão Preto - Campus Guarujá*

# Programação para Web II

## Database



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KEEP  
CALM  
BECAUSE  
IT'S  
PROGRAMMERS' DAY

# Schedule

- Database
- CRUD
- HTML Template





# MySQL

- Structured Query Language
- Purchased by Sun Microsystems in 2008 for around a billion dollars.
- Oracle purchased Sun Microsystems (including MySQL) in 2009 for **\$7.5 billion**
- Still the most popular open source database as of 2013.
- RHEL, Fedora, Slackware Linux, openSUSE, and the Wikimedia Foundation have all migrated to **MariaDB**.

# Create Database / User

- CREATE DATABASE books;
- USE books;
- CREATE USER 'newuser'@'localhost'  
IDENTIFIED BY 'p@\$\$\$w0rd';
- GRANT ALL PRIVILEGES ON \* . \* TO  
'newuser'@'localhost';

# Creating Table

- DROP TABLE famous;
- CREATE TABLE famous (- id\_famous integer **NOT NULL AUTO\_INCREMENT**,
- name varchar(40),
- **primary key (id\_famous)**
- );



# Review

- Insert
- Update
- Delete
- Select

# Mysqli

- MySQLi functions allows you to access MySQL DB servers



# mysqli\_connect()

- host
- username
- passwd
- dbname
- [port]

# mysqli\_connect\_errno()

- Returns the last error code number from the last call to mysqli\_connect().

# mysqli\_query

- Performs a query against the database

# mysqli\_fetch\_assoc

- Returns an **associative array** of strings representing the fetched row in the result set, where each **key** in the array represents the **name** of one of the result set's columns or NULL if there are no more rows in resultset.
- *If two or more columns of the result have the same field names, the last column will take precedence. To access the other column(s) of the same name, you either need to access the result with numeric indices by using `mysqli_fetch_row()` or add alias names.*

# mysqli\_real\_escape\_string

- `$name = mysqli_real_escape_string( $_POST['code'] );`



**SQL Injection**

# Challenge

- Complete CRUD (Create, **Read**, Update, **Delete**)
- Code famous\_form.php





# Doubts

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[ezarpelao@unaerp.br](mailto:ezarpelao@unaerp.br) subject  
“Maior dúvida – 13/09/2019 - “+RA  
Deadline: 16/09/2019

