MySQL and PHP

Hardcore backend

ITI-F20

SDU Robotics
The Maersk Mc-Kinney Moller Institute
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Agenda

- Structure
- Syntax
- PDO

Structure

Database or Schema, who knows?

MySQL Syntax

EVERYTHINGS IS IN CAPS!

```sql
DROP DATABASE IF EXISTS dbName;
CREATE DATABASE dbName;
USE dbName;

CREATE TABLE user (
  user_id INT UNSIGNED PRIMARY KEY AUTO_INCREMENT,
  username VARCHAR(100) NOT NULL,
  password VARCHAR(100) NOT NULL
);
```

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);
```

```sql
SELECT username FROM user WHERE user_id=1;
```

PDO

One statement to rule them all

```php
<?php
try {
  require 'config.php';
  $conn = new PDO(
    "mysql:host=$servername;dbname=$dbname",
    $username,
    $password,
    array(PDO::ATTR_ERRMODE => PDO::ERRMODE_EXCEPTION)
  );
} catch (PDOException $e) {
  echo "Error: " . $e->getMessage();
}
```

PDO

One statement to rule them all

```php
<?php
$stmt = $conn->prepare("SELECT * FROM user WHERE username = :username");
$stmt->bindParam(':username',$sane_user);
$stmt->execute();
$result = $stmt->fetchAll();
```