

PHP, SQL, MYSQL

REVIEW FOR QUIZ

**BUT FIRST...
HOMEWORK**

**DROP DEAD DATE
IS TUESDAY NIGHT**

WANT ANY POINTS?

TOMORROW NO EXCEPTIONS

WHAT ABOUT THE GRADES?

BY NEXT WEDNESDAY

WHAT'S GOING TO BE ON THE QUIZ?

- ▶ SQL
- ▶ PHP
- ▶ Working with MySQL in PHP
- ▶ Little bit of HTML

BASIC SQL

- ▶ how do we CREATE a database
 - ▶ `create database foo;`
- ▶ DELETE
 - ▶ `delete from table WHERE condition`
- ▶ SELECT
 - ▶ `select * from table;`
- ▶ DROP
 - ▶ `drop database foo;`
- ▶ INSERT
 - ▶ `insert into table (col1, col2, col3) values (x, y, z);`

CREATE A TABLE WITH SQL

- ▶ Create a table on the DB

```
use dbname;
```

```
create table foo (
```

```
    id integer(10) unsigned not null auto_increment,
```

```
    name varchar(200) not null,
```

```
    email varchar(200) not null,
```

```
    primary key(id),
```

```
    unique key (email) # not necessary, just a different index
```

```
);
```


PHP

- ▶ Look at the notes in Github, they're pretty comprehensive for this quiz
- ▶ Type checking
- ▶ Connecting to a database
 - ▶ There are other ways to connect and query a DB...for this quiz they're all wrong. (They're not super secure)
 - ▶ DSN: Data Source Name
 - ▶ Modern PHP connects via PDO

```
$pdo = new PDO ($dsn, $user, $password);
```

WORKING WITH A DB (SIMPLE EXAMPLE)

- ▶ Connect to the DB via PDO

- ▶ PREPARE the statement

```
$statement = $pdo->prepare('select * from  
table');
```

- ▶ execute the statement

```
$statement->execute();
```

WORKING WITH THE DB (COMPLEX)

- ▶ Connect via PDO

- ▶ PREPARE the statement

```
$stmt = $pdo->prepare('insert into x (name, email) values (:name, :email)');
```

- ▶ BIND the params

```
$stmt->bindParam(':name', $name);
```

```
$stmt->bindParam(':email', $email);
```

- ▶ EXECUTE the statement

```
$stmt->execute();
```

DID WE FORGET SOMETHING?

- ▶ We executed the statements, but that's not the end of the story.
- ▶ We may need to return results

```
$results = $stmt->fetchAll();
```

YOU'RE GONNA NEED IT :)

GOOD LUCK