

# Databases 2

INFO 3401: Information Exploration



University of Colorado  
Boulder

**So far: we have assumed the tables  
are already created for us**

**Where do these records come from?**

# **INSERT statement**

## Here is an empty table

| primary_key | user_ID | user_modality | satisfaction_score |
|-------------|---------|---------------|--------------------|
|             |         |               |                    |
|             |         |               |                    |
|             |         |               |                    |
|             |         |               |                    |
|             |         |               |                    |

```
INSERT INTO users (user_ID, user_modality, satisfaction_score)
VALUES ("Jeff41", "PC", 2)
```

| primary_key | user_ID | user_modality | satisfaction_score |
|-------------|---------|---------------|--------------------|
| 1           | Jeff41  | PC            | 2                  |
|             |         |               |                    |
|             |         |               |                    |
|             |         |               |                    |

**Notice: primary key is filled automatically**

**You can enforce validation in software  
(e.g. `user_id` is not NULL)**



```
INSERT INTO users (user_modality, satisfaction_score) VALUES
("PC", 2)
```

| primary_key | user_ID | user_modality | satisfaction_score |
|-------------|---------|---------------|--------------------|
| 1           | Jeff41  | PC            | 2                  |
|             |         | PC            | 2                  |
|             |         |               |                    |
|             |         |               |                    |