

Databases HW2 – Building University Database Documentation  
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These are the steps I followed to build the university database from the Databases textbook, consisting of 11 relations.

1. Through the textbook, the sql files to generate and fill the database are provided. To begin, I first logged into postgresSQL on ada and then ran the following.

```
CREATE DATABASE jalubk20_university
```

This line makes a database called “jalubk20\_university” but does not contain any relations or schemas.

2. To define these, the textbook provided a DDL.sql file. To execute file, I first downloaded the file and then ran this command from my terminal.

```
psql -U jalubk20 -h ada.hpc.stlawu.edu -d jalubk20_university -f DDL.sql
```

3. Upon completion, I then ran the following 2 commands to proliferate the tables with data.

```
psql -U jalubk20 -h ada.hpc.stlawu.edu -d jalubk20_university -f  
smallRelationsInsertFile.sql
```

```
psql -U jalubk20 -h ada.hpc.stlawu.edu -d jalubk20_university -f  
largeRelationsInsertFile.sql
```

4. I then verified that my database was correct by signing into my database and counting the name of rows in each and comparing it to the textbook’s database. For example, to count the number of departments run this.

```
SELECT count(*) FROM department;
```

I also verified the actual data by running a similar line to see the departments.

```
SELECT * FROM department;
```