

02b_intro_sql

Introduction to SQL

University DB

Run the `university.sql` file to create the University DB.

`set search_path to university;`

1. *Projection*: choose the columns to include in the results

```
select name, email
from student;
```

2. Suppose the university is charging 200\$ per credit for a course. Find the price for each course.

- `price` is an alias for the calculated column

```
select code, name, credits * 200 as price
from course;
```

3. *Selection*: filter the rows to include in the results

- Keep only the course offerings for the winter 2020 semester

```
select *
from offering
where semester = 'W'
and year = 2020;
```

4. *Sorting*: order the instructors by their names

```
select iid, name, email
from instructor
order by name;
```

```
select iid, name, email
from instructor
order by 2;
```