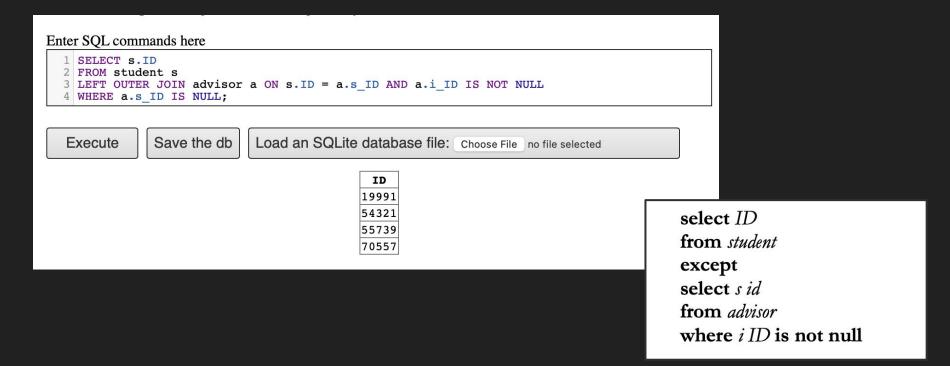# Assignment 06
EPPS 6354 Information Management

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1. Look up websites containing the following data representations:

- JSON: **Apple Podcasts RSS Comments,** downloads as JSON
  - https://itunes.apple.com/lookup?id=1215386936&entity=podcastEpisode
  - JSON object with fields like trackName, collectionName, releaseDate, description.
- **XML: NY Times RSS Feeds**
  - (https://rss.nytimes.com/services/xml/rss/nyt/HomePage.xml)
  - XML tree of <rss>, <channel>, and <item> tags.

2.i Express the following query in SQL using no subqueries and no set operations. (Hint: left outer join)

Enter SQL commands here

```sql
SELECT s.ID
FROM student s
LEFT OUTER JOIN advisor a ON s.ID = a.s_ID AND a.i_ID IS NOT NULL
WHERE a.s_ID IS NULL;
```

Execute   Save the db   Load an SQLite database file: Choose File   no file selected

ID
19991
54321
55739
70557

select *ID*
from *student*
except
select *s id*
from *advisor*
where *i ID* **is not null**

2.ii Using the university schema, write an SQL query to find the names and IDs of those instructors who teach every course taught in his or her department.

Enter SQL commands here

```
1  SELECT i.ID, i.name
2  FROM instructor i
3  WHERE NOT EXISTS (
4    SELECT *
5    FROM course c
6    WHERE c.dept_name = i.dept_name
7      AND NOT EXISTS (
8        SELECT *
9        FROM teaches t
10       WHERE t.ID = i.ID AND t.course_id = c.course_id
11     )
12 )
13 ORDER BY i.name;
```

Execute   Save the db   Load an SQLite database file: Choose File no file selected

ID	name
22222	Einstein
32343	El Said
98345	Kim
15151	Mozart
12121	Wu