**Queries**

1. **Suppose we want a master list of all the contacts in the database.**
2. **(5 points) Write a query that returns the all of the name, email, phone number for every entry in the central contacts, result contacts, and facility contacts tables.**

SELECT name, email, phone

FROM central\_contacts

UNION ALL

SELECT name, email, phone

FROM facility\_contacts

UNION ALL

SELECT name, email, phone

FROM result\_contacts

**Next, modify your query to count the number of rows returned. What is the count? (submit both queries and the count value)**

SELECT COUNT(\*)

FROM (SELECT name, email, phone

FROM central\_contacts

UNION ALL

SELECT name, email, phone

FROM facility\_contacts

UNION ALL

SELECT name, email, phone

FROM result\_contacts) AS UNION\_1

The count value is 31311.

1. **(3 points) Modify your query to eliminate all duplicates. What is the new count? (submit the query and the count)**

SELECT COUNT(\*)

FROM (SELECT name, email, phone

FROM central\_contacts

UNION

SELECT name, email, phone

FROM facility\_contacts

UNION

SELECT name, email, phone

FROM result\_contacts) AS UNION\_1

The new count value is 24549.

1. **(2 points) Contact Efthymios Avgerinos appears multiple times in the results. Why? Propose a way to change the database that would reduce these types of duplications.**