DATABASES PROJECT: PART 2

Jessica Kuleshov (jjk2235) and Sedona Thomas (snt2127)

PostgreSQL account name: jjk2235, name of database is project1

Three interesting SQL queries:

SELECT github_link
FROM code
WHERE filepath in (SELECT package.filepath
FROM package
WHERE package.name LIKE 'numpy')

OR

filepath in (SELECT module.filepath
FROM module
WHERE module.name LIKE 'numpy')

This query looks up "numpy" in either the Package or Module table, depending on which table it is in, and returns the corresponding GitHub link to the documentation. The user can specify which package/module they want to search.

This query searches for the name of the authors who have written modules where the keyword is 'str'. This allows the user to find authors who write modules dealing with specified categories (in this example, modules that relate to strings).

SELECT module_name, count(method_name)
FROM module_method_containment
GROUP BY module_name

This query returns the number of methods contained within each module. This allows the user to determine the extent to which methods have been added into the database for each module/how many methods each module contains.