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Given tables:

● tasks (id, name, status, project\_id)

● projects (id, name)

**1. Get all statuses, not repeating, alphabetically ordered**

SELECT DISTINCT status

FROM tasks

ORDER BY status

**2. Get the count of all tasks in each project, order by tasks count descending**

SELECT projects.id, COUNT(tasks) AS task\_count

FROM tasks RIGHT JOIN projects

ON tasks.project\_id = projects.id

GROUP BY projects.id

ORDER BY task\_count DESC

**3. Get the count of all tasks in each project, order by projects names**

SELECT projects.name, COUNT(tasks) AS task\_count

FROM tasks RIGHT JOIN projects

ON task.project\_id=projects.id

GROUP BY projects.id

ORDER BY task\_count

**4. Get the tasks for all projects having the name beginning with “N” letter**

SELECT projects.name, task.name

FROM tasks INNER JOIN rpojects

ON tasks.project\_id=projects.id

WHERE tasks.name LIKE 'N%'

**5. Get the list of all projects containing the ‘a’ letter in the middle of the name, and show the**

**tasks count near each project. Mention that there can exist projects without tasks and**

**tasks with project\_id=NULL**

SELECT projects.name, COUNT(tasks) AS task\_count

FROM tasks RIGHT JOIN projects

ON task.project\_id = projects.id

WHERE projects.name LIKE '%a%'

GROUP BY projects.id

**6. Get the list of tasks with duplicate names. Order alphabetically**

SELEcT id, name

FROM tasks

WHERE name IN

(SELECT name FROM tasks GROP BY name HAVING COUNT(\*) >1)

ORDER BY name

**7. Get the list of tasks having several exact matches of both name and status, from the**

**project ‘Garage’. Order by matches count**

SELECT tasks.name

FROM tasks RIGHT JOIN projects

ON tasks.projects\_id = projects.id

WHERE projects.name = 'Garage'

GROUP BU tasks.name, tasks.status

HAVING COUNT(tasks) >1

ORDER BY COUNT(tasks)

**8. Get the list of project names having more than 10 tasks in status ‘completed’. Order b**y

project\_id

SELECt projects.name

FROM tasks RIGTH JOIN projects

ON tasks.projects\_id = projects.id

WHERE tasks.status = 'completed'

GROUP BY projects.id HAVING COUNT(tasks) >10

ORDER BY projects.id