

# All queries written in SQL:

## 1. get all statuses, not repeating, alphabetically ordered

```
SELECT DISTINCT status, task_name
FROM managePage_task
ORDER BY task_name;
```

## 2. get the count of all tasks in each project, order by tasks count descending

```
SELECT managePage_project.project_name, COUNT(managePage_task.task_name) as
number_tasks
FROM managePage_project
INNER JOIN managePage_task ON managePage_project.id=managePage_task.project_id_id
GROUP BY project_id_id
ORDER BY number_tasks DESC;
```

## 3. get the count of all tasks in each project, order by projects names

```
SELECT managePage_project.project_name, COUNT(managePage_task.task_name) as
number_tasks
FROM managePage_project
INNER JOIN managePage_task ON managePage_project.id=managePage_task.project_id_id
GROUP BY project_id_id
ORDER BY project_name;
```

## 4. get the tasks for all projects having the name beginning with "N" letter

```
SELECT task_name FROM managePage_task WHERE task_name REGEXP '^[N][A-Za-z]*';
```

## 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 managePage_project.project_name, COUNT(managePage_task.task_name) as
number_tasks
FROM managePage_project
INNER JOIN managePage_task ON managePage_project.id=managePage_task.project_id_id
WHERE project_name REGEXP '^[A-Za-z][^Nn]+([n])([A-Za-z]+)'
GROUP BY project_id_id;
```

## 6. get the list of tasks with duplicate names. Order alphabetically

```
SELECT task_name, COUNT(*)
```

```
FROM managePage_task
GROUP BY task_name HAVING COUNT(*) > 1;
```

7. get the list of tasks having several exact matches of both name and status, from the project 'Garage'. Order by matches count

```
SELECT managePage_task.task_name, managePage_task.status,
managePage_task.project_id_id,
COUNT(*) as amount
FROM managePage_task
WHERE project_id_id = (SELECT id FROM managePage_project WHERE
project_name='Garage')
GROUP BY task_name HAVING COUNT(*) > 1
ORDER BY amount DESC;
```

8. get the list of project names having more than 10 tasks in status 'completed'. Order by project\_id

```
SELECT managePage_project.project_name, managePage_project.id,
COUNT(managePage_task.task_name) as number_tasks
FROM managePage_project
INNER JOIN managePage_task ON managePage_project.id=managePage_task.project_id_id
WHERE managePage_task.status=1
GROUP BY project_id_id HAVING number_tasks > 10
ORDER BY number_tasks DESC
```