

## SQL Queries

```
select left(id, 5) as id, substring(id, 6, 50) as first_name
from bad_data
;
```

```
with cte_prevtemp as
  (select *, lag(temperature, 1, temperature+1) over (order by date)
   as prevtemp
   from temperatures)
```

```
select date from cte_prevtemp
  where temperature>prevtemp
  order by date asc
;
```

```
with cte as
  (select sum(salary) as empsalaries, project_id
   from linkedin_employees emp
   join linkedin_emp_projects empproj on emp.id=empproj.emp_id
   group by project_id)
```

```
select round((cast(empsalaries*datediff(day, start_date, end_date) as
float)/365), 0) as prorated_cost, title, budget
from linkedin_projects proj
join cte on proj.id=cte.project_id
where round((cast(empsalaries*datediff(day, start_date, end_date) as
float)/365), 0)>budget
;
```