Hackathon 3 – 9/23/19

-- #1

-- Write a query that provides a current head count by each department with a subtotal.

-- Hint: Use WITH ROLLUP keyword

select

dp.dept\_name,

format(count(de.emp\_no), 0) as 'Employees'

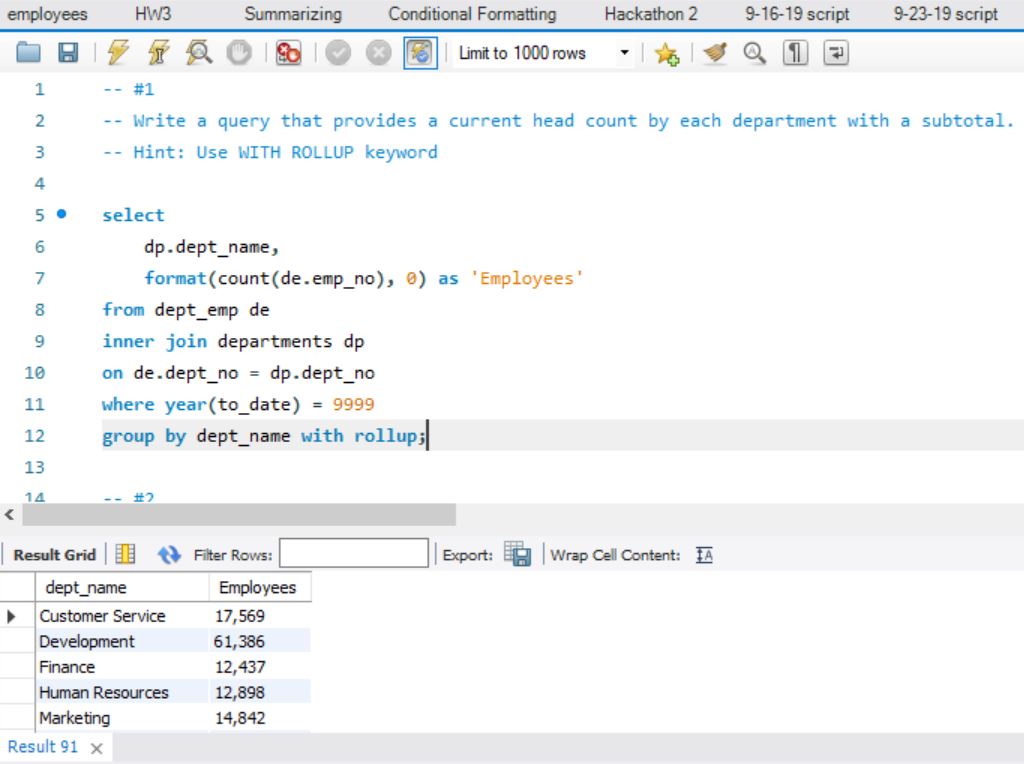
from dept\_emp de

inner join departments dp

on de.dept\_no = dp.dept\_no

where year(to\_date) = 9999

group by dept\_name with rollup;



-- #2

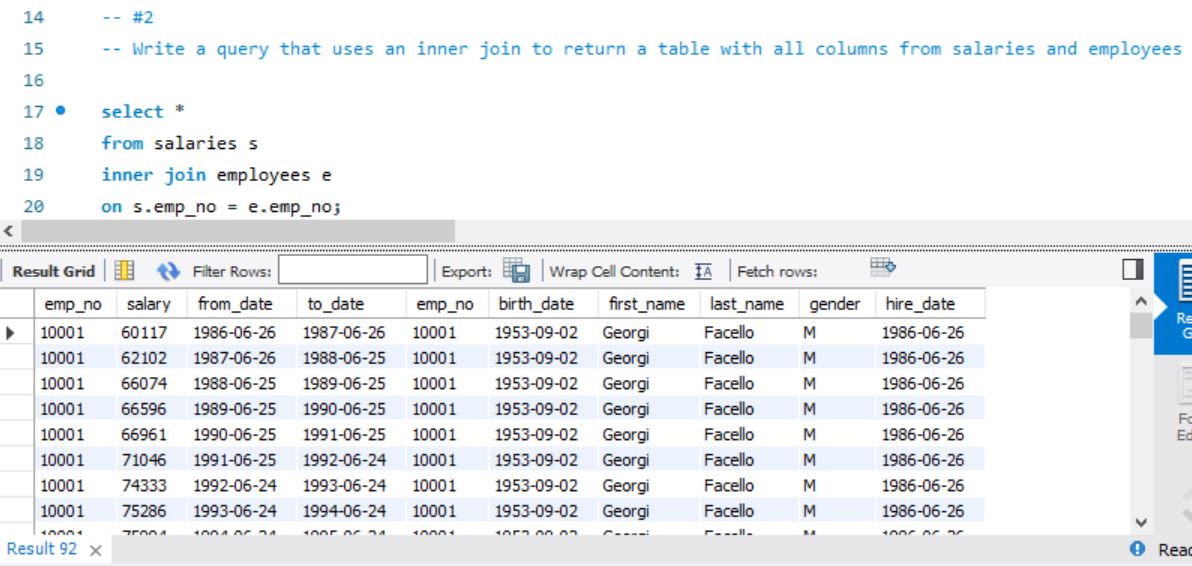
-- Write a query that uses an inner join to return a table with all columns from salaries and employees

select \*

from salaries s

inner join employees e

on s.emp\_no = e.emp\_no;



-- #3

-- Write a query that returns the complete salary history and demographic information for employee

-- number = 10002

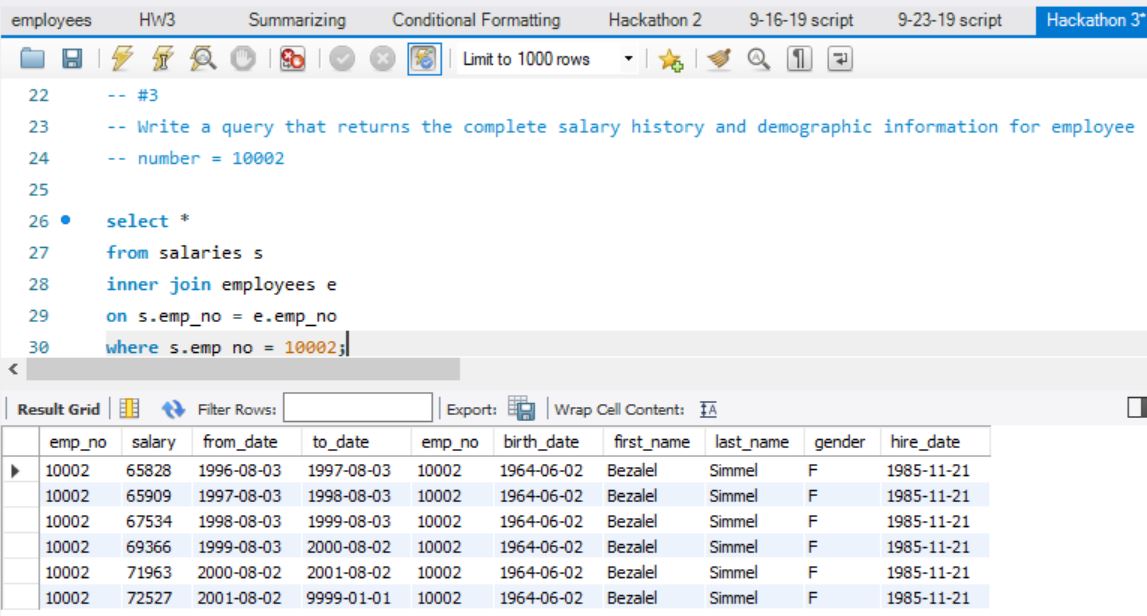
select \*

from salaries s

inner join employees e

on s.emp\_no = e.emp\_no

where s.emp\_no = 10002;



-- #4

-- Write a query that returns the following columns: emp\_no, full name (first\_name + last\_name),

-- and current salary for all employees

select

e.emp\_no,

concat(first\_name,' ',last\_name) as 'Name',

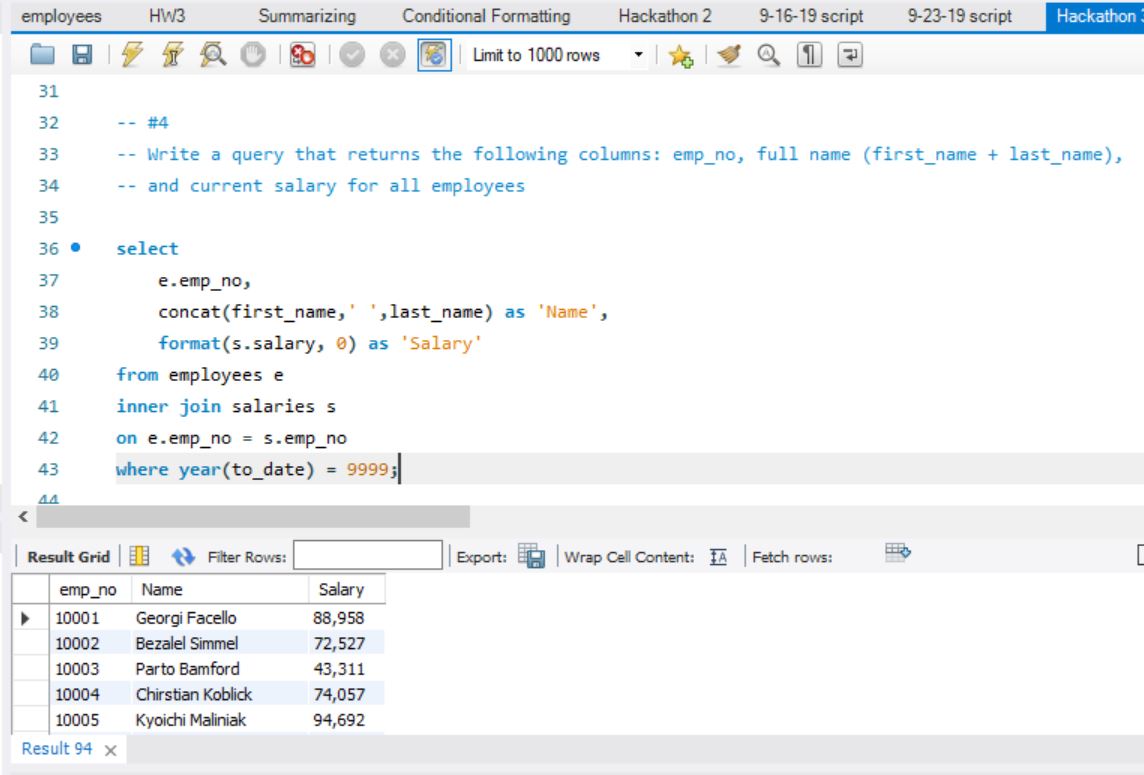
format(s.salary, 0) as 'Salary'

from employees e

inner join salaries s

on e.emp\_no = s.emp\_no

where year(to\_date) = 9999;



-- #5

-- Revise the query in #3 to include a column for the employee’s job title

select

e.emp\_no,

concat(first\_name,' ',last\_name) as 'Name',

format(s.salary, 0) as 'Salary',

t.title as 'Title'

from employees e

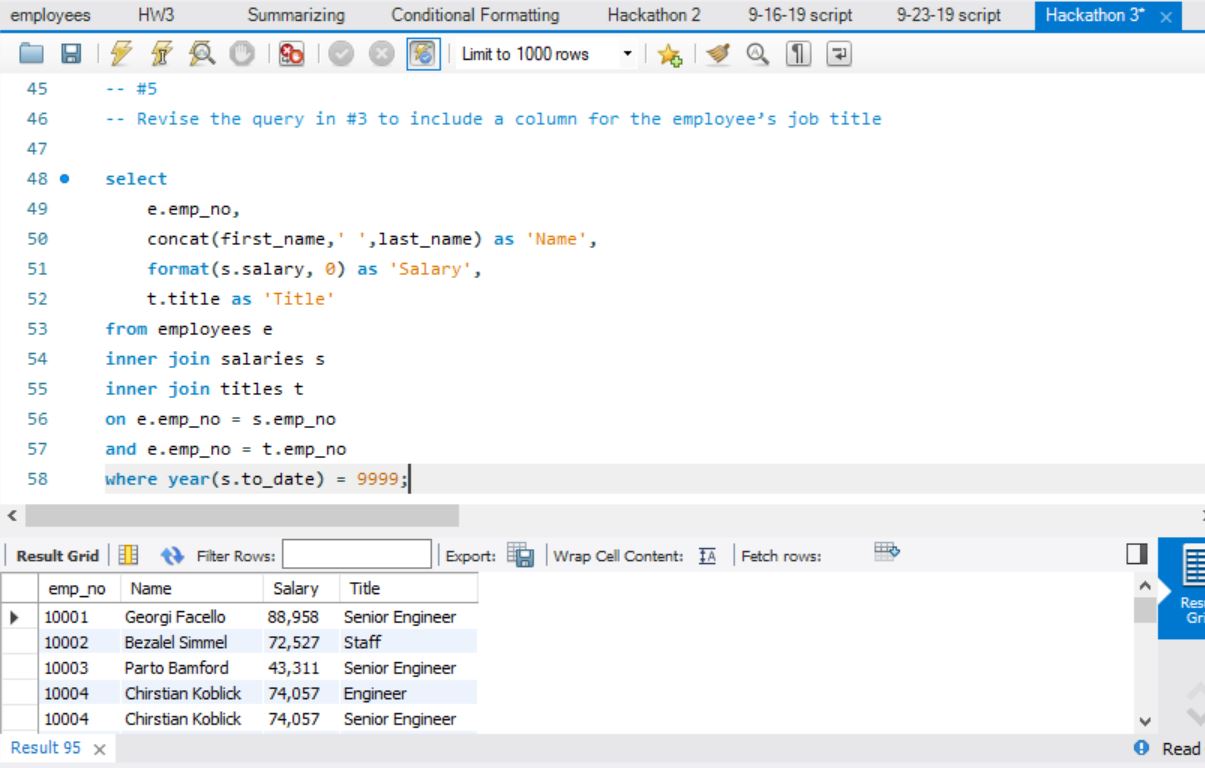
inner join salaries s

inner join titles t

on e.emp\_no = s.emp\_no

and e.emp\_no = t.emp\_no

where year(s.to\_date) = 9999;



-- #6

-- What is the name of the department that Georgi Facello works in?

select

concat(first\_name,' ',last\_name) as 'Name',

dept\_name as 'Department'

from employees e

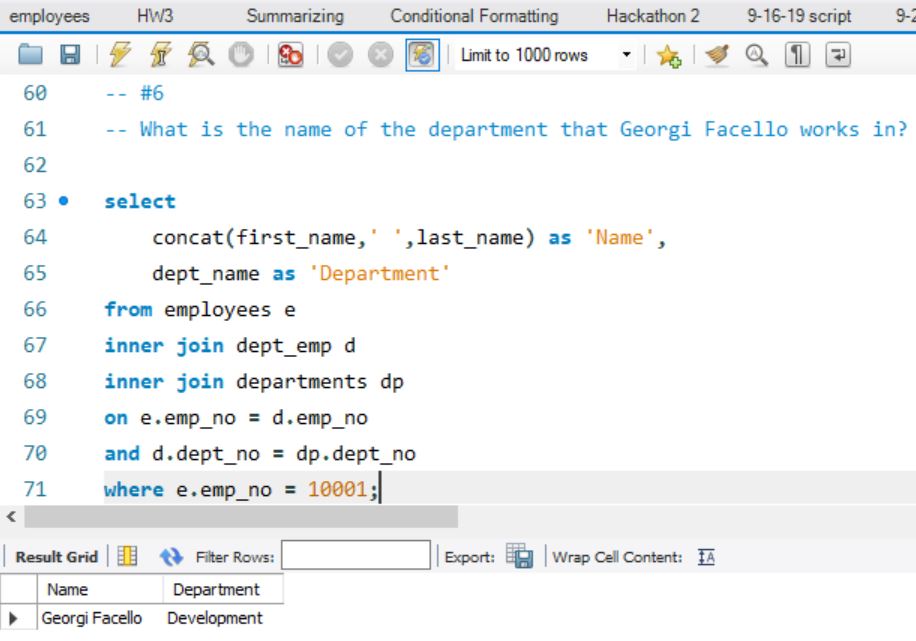
inner join dept\_emp d

inner join departments dp

on e.emp\_no = d.emp\_no

and d.dept\_no = dp.dept\_no

where e.emp\_no = 10001;



-- #7

-- Who is Georgi Facello’s manager?

select

concat(e.first\_name,' ',e.last\_name) as 'Name',

concat(em.first\_name,' ',em.last\_name) as 'Manager'

from employees e

inner join dept\_emp d

inner join dept\_manager dm

inner join employees em

on e.emp\_no = d.emp\_no

and d.dept\_no = dm.dept\_no

and dm.emp\_no = em.emp\_no

where e.emp\_no = 10001

and year(dm.to\_date) = 9999;

