

S04-P03 Practice

Assignment

Create a new table `sample_staff.invoice_partitioned` based on `sample_staff.invoice`, but change the following:

- and add one more column: `department_code`
- remove the current partitions & sub-partitions

Then, copy data from `invoice` to the new table and also fill in the new column based on the department which the user was a part at the time of `invoiced_date`.

Add new `LIST` partitioning to `invoice` based on the `department_code` (see `sample_staff.department_code`).

...

...

...

SPOILER: Below are the results

...

...

Result

Hint: To get the department join `invoice` with `device_employee_rel`, see below:

```
INNER JOIN `sample_staff`.`device_employee_rel` ON 1=1
  AND `invoice`.`employee_id` = `device_employee_rel`.`employee_id`
  AND `invoice`.`invoiced_date` BETWEEN `device_employee_rel`.`from_date` AND
IFNULL(`device_employee_rel`.`to_date`, '2002-08-01')
  AND `device_employee_rel`.`deleted_flag` = 0
INNER JOIN `sample_staff`.`department` ON 1=1
  `department`.`id` = `device_employee_rel`.`department_id`
```

