**Ascendeum Tech Interview 1**

Query 1 : -- Write a query to calculate the average age of employees in each department.

select d.name, avg(e.age)

from employees e

join departments d

on e.department\_id = d.id

group by e.department\_id;

Query 2 : -- Write a query to find the department with the highest number of employees whose age is above 40.

select d.name, count(e.id) as total\_employees

from employees e

join departments d

on e.department\_id = d.id

where e.age > 40

group by e.department\_id

order by count(e.id) desc

limit 1;

Query 3 : -- Write a query to retrieve the count of employees who have in joined in last 100 days.

select count(\*)

from employees

where joining\_date >= date(now()) - interval 100 day;

Query 4 : -- Write a query to update the joining date of all employees in the HR department to the yesterday.

update employees

set joining\_date = date(now()) - interval 1 day

where department\_id = 2;

Query 5 : -- Write a query to retrieve the count of employees who have in joined in last 100 days.

select count(\*)

from employees

where joining\_date >= date(now()) - interval 100 day;

