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;