Código

// Para que estas queries funcionen hace falta que en FixUpTask exista un atributo Collection<Complaint> llamado complaints

//Query B/1

select max(count(f.complaints))

from FixUpTask f

where f.complaints is not empty;

select min(count(f.complaints))

from FixUpTask f

where f.complaints is not empty;

select avg(count(f.complaints))

from FixUpTask f

where f.complaints is not empty;

select sqrt(sum(count(f.complaints)\* count(f.complaints)) / count(count(f.complaints)) - (avg(count(f.complaints)) \* avg(count(f.complaints))))

from FixUpTask f

where f.complaints is not empty;

//Se puede poner en solo una query

select max(count(f.complaints)), min(count(f.complaints)), avg(count(f.complaints)), sqrt(sum(count(f.complaints)\* count(f.complaints)) / count(count(f.complaints)) - (avg(count(f.complaints)) \* avg(count(f.complaints))))

from FixUpTask f

where f.complaints is not empty;

//Query B/2

select max(count(r.notes))

from Report r

where r.notes is not empty;

select min(count(r.notes))

from Report r

where r.notes is not empty;

select avg(count(r.notes))

from Report r

where r.notes is not empty;

select sqrt(sum(count(r.notes)\* count(r.notes)) / count(count(r.notes)) - (avg(count(r.notes)) \* avg(count(r.notes))))

from Report r

where r.notes is not empty;

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select max(count(r.notes)), min(count(r.notes)), avg(count(r.notes)), sqrt(sum(count(r.notes)\* count(r.notes)) / count(count(r.notes)) - (avg(count(r.notes)) \* avg(count(r.notes))))

from Report r

where r.notes is not empty;

//Query B/3

select count(f)

from FixUpTask f

where f.complaints is not empty;

select count(f)

from FixUpTask f;

//En java haces la división entre el primer nº y el segundo y obtienes el ratio.

//Query B/4

select c order by c.complaints.size

from Customer c;

//En los servicios coges los 3 primeros elementos de la lista que te devuelve la query usando paginación

//Query B/5

// Casi Seguro de que esto está mal, tengo que pasar desde HandyWorker a Complaint y el único camino es HW->App->Fix->Complaint. Lo mas sencillo sería meter una relación HW->Complaint pero no sé si tiene sentido.

select c order by f.complaints.size

from HandyWorker h

join h.application a

joint a.fixUpTask f

//En los servicios coges los 3 primeros elementos de la lista que te devuelve la query usando paginación