Prova II

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ORDER BY nomepes

```
1.f)
SELECT idpes, nomepes, count(idati) as QtdeAtividades
FROM pessoa NATURAL JOIN pesati NATURAL JOIN atividade NATURAL JOIN
bolsista
GROUP BY idpes HAVING count(idati) > 3
1.g)
SELECT nomepro, descricaoati, idpes, nomepes
FROM projeto NATURAL JOIN atividade NATURAL JOIN pesati NATURAL JOIN
pessoa as p
WHERE NOT EXISTS
      (SELECT * FROM atividade as a
      WHERE NOT EXISTS
             (SELECT * FROM pesati
             WHERE p.idpes = pesati.idpes AND a.idati = pesati.idati))
Questão 2:
WITH RECURSIVE hAtiv (idpro, nivel, idatisuper, idati, descricaoati) AS (
      SELECT idpro, 0, idatisuper, idati, descricaoati
      FROM atividade
      WHERE idatisuper is null
      UNION ALL
      SELECT child.idpro, nivel+1, child.idatisuper, child.idati, child.descricaoati
```

SELECT DISTINCT *

FROM hAtiv

)

ORDER BY idpro, nivel, idatisuper, idati

FROM hAtiv parent, atividade child

WHERE child.idatisuper = parent.idati

```
Questão 3:
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CREATE VIEW vtop AS

SELECT cpf, nomepes, 'bolsista' as tipopes, valorbol as maxvalue

FROM pessoa NATURAL JOIN bolsista

UNION

SELECT cpf, nomepes, 'funcionario' as tipopes, salariofun as maxvalue

FROM pessoa NATURAL JOIN funcionario;

3.a)

SELECT * FROM vtop WHERE tipopes = 'funcionario';

3.b)

SELECT * FROM vtop WHERE tipopes = 'bolsista';

3.c)

SELECT * FROM vtop

WHERE tipopes = 'funcionario' AND NOT EXISTS

(SELECT * FROM vtop WHERE tipopes = 'bolsista')