

Name 1:

Date:

Name 2:

REMEMBER: we cannot have cycles in a grant diagram. Any grant that tries to create one will fail.

joe executes:

creates table Sailors;

① GRANT SELECT ON Sailors TO art WITH GRANT OPTION;

art executes:

② GRANT SELECT ON Sailors TO bob WITH GRANT OPTION;

bob executes:

③ GRANT SELECT ON Sailors TO cal WITH GRANT OPTION;

joe executes:

④ GRANT SELECT ON Sailors TO cal WITH GRANT OPTION;

cal executes:

⑤ GRANT SELECT ON Sailors TO bob WITH GRANT OPTION;

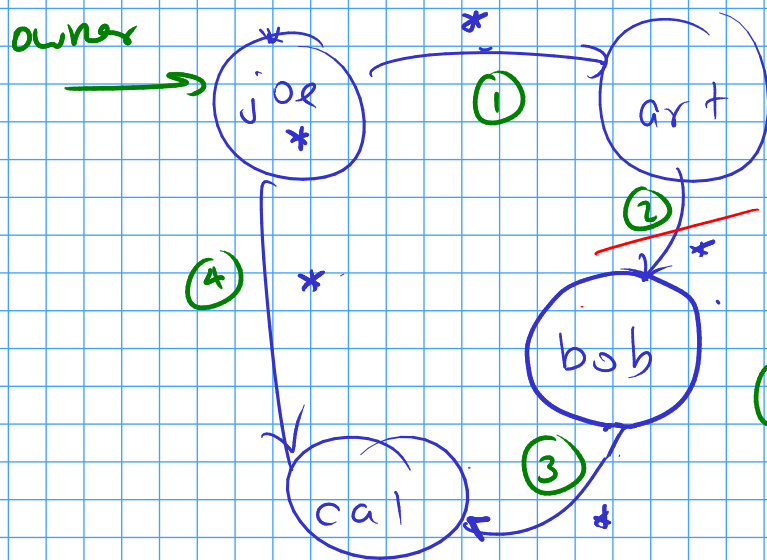
a) What privileges does each user have on Sailors?

Now joe executes:

REVOKE SELECT ON Sailors FROM Art CASCADE;

b) what privileges does each user have on Sailors?

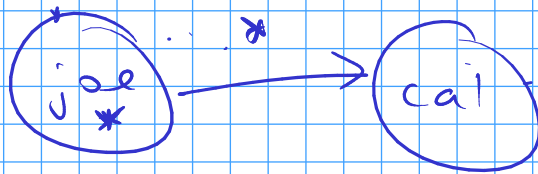
Let us make grant diagram. Showing only select priv. on Sailors.



a) joe, art, bob and cal have select on sailors with grant option.

(5) fails. We can't have cycles.

b)



only joe and cal have select with grant option.

In all case, joe has ALL privileges in sailors because he is the owner