

## Homework 8: Database Security

### Database Access Privileges

(a) **Granting rights:** Alice grants Bob access with grant option. What does the command “with grant option” do?

(b) **Revoking rights:** read the following scenario, then answer the question.

Alice owns the table T.

In chronological order, these events happened:

- (a) **Alice** granted **Bob** full access to table T with grant option.
- (b) **Alice** granted **Charlie** full access to table T with grant option.
- (c) **Bob** granted **Dave** full access to table T with grant option.
- (d) **Dave** granted **Erin** access to table T.
- (e) **Charlie** granted **Dave** access to table T.
- (f) **Alice** revoked from **Bob** all access privileges to table T.

**Question:** In common practice, at this point in time, who has access to table T?

Who can grant others access to T?