Yi-Rou (Monica) Hung, u22561154

Practical 4

5.2) The record with the name 'Tom' is the only one that can be added to the table. The record 'Dave' and 'Bob' cannot be added because Dave's student-ID is the same as 'David's student-ID and the primary key are unique values, and Bob cannot be added because the Student-ID is null and primary key are mandatory.

5.8)

UserID	Table	Grantor	READ	INSERT	DELETE
Χ	Employee	Α	15	15	-
Χ	Employee	В	-	-	-
Υ	Employee	Х	25	25	25
X	Employee	С	-	-	-

We assume:

- If the user has a privilege that was granted by multiple users, the privilege is retained as long as at least one of those is still valid.
- X still has the READ privilege from A, so Y retains the READ privilege.
- X still has the INSERT privilege from A, so Y retains the READ privilege.
- X still has the DELETE privilege from C, so Y retains the READ privilege.
- X has the necessary privileges from A and C to allow Y to retain the granted privileges.

After the revocation, C's dependency on B is removed but C still has access rights from A, so therefore D still retains its privileges from C.

- Breakdown: A grants access to C and B, C grants to D.