Homework 2 Feedback

For handwritten assignments, please write legibly. Overall, we were flexible with the SQL format, or the R.A. operations. Also, as noted in the feedback of the previous homework, we encourage you to provide enough detail to support your answers. Besides, be concrete in your answers; without ambiguities (e.g. this might/may violate a constraint)

Most common errors were:

Q1. All three statements were acceptable (no integrity constraint violation).
   (f) According to the figures 5.6 and 5.7, there is no support to claim a foreign constraint between tables WORK_ON and PROJECT. Hence, it’s totally valid to delete the tuples indicated by the SQL statement.

Q2. The question asked for "situations where dividing the SSN is useful". Hence, we were expecting at least two specific scenarios. Achievement of logical independence of the each of the 3 groups of # that form the SSN it is not a valid answer by itself. Basically, you need to argue some specific scenario. Scenarios like: validation purpose, security reasons, or easy manage/update were acceptable if enough support in your answer was provided.

Q4.
   - There was a typo in the handout (Wong instead of Wang). In the future, do not hesitate to contact the TAs and inform of any error/type/ambiguity in the handout.
   - PROJECT (π), SELECT (σ), and others R.A. operations return a relation. It’s not possible to use a relation in the select condition.
   - The question asked for R.A. not SQL statements
   - The question was “specify and execute”. Hence, beside the R.A. you were expected to include the result of applying/interpreting the R.A. with the database schema shown in Figure 5.5.