1. Create a view consisting of supplier numbers, part numbers for suppliers and parts that are not "colocated".
2. Create a view consisting of supplier records for suppliers that are located in London.
3. Define relation SP of the suppliers-and-parts databases as a view of relation SPJ of the suppliers-parts-projects database.
4. Create a view of the suppliers-parts-projects database consisting of all projects (project numbers and city fields only) that are supplied by supplier S1 and use part P1.
5. Given the view definition:

\[
\text{CREATE VIEW HEAVYWEIGHTS (P#, WT, COL)}
\text{AS SELECT P#, WEIGHT, COLOR}
\text{FROM P}
\text{WHERE WEIGHT > 14}
\]

show the operation actually executed (i.e., the converted form) for each of the following

a) \[\text{SELECT * FROM HEAVYWEIGHTS WHERE COL = 'Green'}\ ;\]

b) \[\text{SELECT P#, WT + 5 FROM HEAVYWEIGHTS ORDER BY 2} ;\]

c) \[\text{UPDATE HEAVYWEIGHTS SET COL = 'White'}
\text{WHERE WT = 18} ;\]

d) \[\text{DELETE FROM HEAVYWEIGHTS WHERE WT < 10}\]

e) \[\text{INSERT INTO HEAVYWEIGHTS (P#, WT, COL)}
\text{VALUES ('P99', 12, 'Purple') ;}\]

6. Suppose we replace "WEIGHT" by "WEIGHT * 454" in the SELECT-clause portion (only) of the HEAVYWEIGHTS view definition. Now, repeat exercise 8.5.