In the following exercises, display the relations in table format, not in angle bracket $\langle\ \rangle$ format.

1. Study Section 14.5.

2. Write the relational table that results from the following queries.

   (a) $\sigma(MC, Lyrics = \text{Hammerstein})$
   (b) $\pi(\sigma(MC, Lyrics = \text{Hammerstein}), Title)$
   (c) $Where \bowtie Composer \bowtie Run$ (First three rows only)
   (d) $\pi(Where \bowtie Composer \bowtie Run, Theater, Music, Perfs)$ (First three rows only)

3. Write the query to list the title of the musical and the authors of the books and the lyrics for those musicals that were performed on Forty-Sixth St. Do not perform unnecessary joins.

   (a) Assume the database ALL.
   (b) Assume the database $PABM, MC$.
   (c) Assume the database (14.55) $Where, When, Author, Run, Lyricist, Composer$.