Homework 5
Due Wednesday 7 May 7:00 pm to hwsubmit


   Only design the DB schema and specify the FDs.
   Do not decompose your schema into 3NF or BCNF.

2. Exercise 10.28 page 374.


4. Using the Hospital database, obtain the patient name and address, and name of the patient’s PCP, of patients that have had at least one appointment and has undergone procedures such that all of those procedures each have a cost less than $7,000. Write this query in:
   (a) Relational algebra
   (b) Tuple calculus
   (c) Domain calculus
   (d) SQL

   The result of this query should be:

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Smith</td>
<td>42 Foobar Lane</td>
<td>John Dorian</td>
</tr>
</tbody>
</table>