Exercise Series 1

1. Implement the iterative approach to coalescing using PostgreSQL. As an example relation to test your solution use

   create table r(X integer, S integer, E integer);

   insert into r values (1,1,5);
   insert into r values (1,3,7);
   insert into r values (1,7,9);
   insert into r values (1,11,12);
   insert into r values (2,4,12);

2. Use SQL-89 to implement coalescing.

3. Use a cursor solution to implement coalescing.

4. Assume relation Employee(Name,Salary,Job,Start,End) is split into two relations so that coalescing is not necessary for determining the salary and job history. Implement a trigger for data insertion that keeps the relations coalesced.