X-Authentication-Warning: Manta.Stanford.EDU: widom owned process doing -bs
To: Diane Shankle <shankle@ee.stanford.edu>
Subject: Re: Quals Questions
Date: Fri, 15 Jan 1999 17:04:56 -0800
From: Jennifer Widom <widom@DB.Stanford.EDU>

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Jennifer Widom
1999 EE Quals Question

Question for students with no database implementation background

Consider two tables of information stored in a computer, for example:

Employee table:

ID	name	deptNum
123	Joe	55
456	Mary	22
789	Fred	55
135	Susan	13
246	John	22
...	...	...

Department table:

num	name
10	research
55	support
22	sales
18	HR
13	develop.
...	...

Your goal is to write an algorithm that computes the "join" of these two tables based on Employee.deptNum = Department.num:

ID	emp-name	deptNum/num	dept-name
123	Joe	55	support
456	Mary	22	sales
789	Fred	55	support
135	Susan	13	develop.
246	John	22	sales
...	...	...	...