

QUIZ 6 – ICS 321 Spring 2017

Chapter 4 – Relational Operators. Consider the following relvars.

EMPLOYEE

ENUM	FNAME	LNAME	DEPT
1	Mary	Jacobs	Administration
2	Rosalie	Jackson	Administration
3	Richard	Bandalone	Legal
4	Tom	Caruthers	Accounting
5	Heather	Jones	Accounting
6	Mary	Abernathy	Finance
7	George	Smith	Human Resources
8	Tom	Jackson	Production
9	George	Jones	Production
10	Ken	Numoto	Marketing
11	James	Nestor	InfoSystems
12	Rick	Brown	InfoSystems

TIMECARD

PID	ENUM	WORKHRS
1000	1	30
1000	8	75
1000	10	55
1100	4	40
1100	6	45
1200	1	25
1200	2	20
1200	4	45
1200	5	40
1300	1	35
1300	8	80
1300	10	50
1400	4	15
1400	5	10
1400	6	27.5

PROJECT

PID	PNAME	DEPT	MAXHRS	SDATE	EDATE
1000	2014 Q3 Product Plan	Marketing	135	5/10/2014	6/15/2014
1100	2014 Q3 Portfolio Analysis	Finance	120	7/5/2014	7/25/2014
1200	2014 Q3 Tax Preparation	Accounting	145	8/10/2014	10/15/2014
1300	2014 Q4 Product Plan	Marketing	150	8/10/2014	9/15/2014
1400	2014 Q4 Portfolio Analysis	Finance	140	10/5/2014	NULL

1. What project(s) did Rosalie work on?

2. INTERSECTION
 - a. Write **Tutorial D** for the departments that have both employees and projects.

 - b. What are they?

3. DIFFERENCE
 - a. Write **Tutorial D** for the departments that have employees but no have projects.

 - b. What are they?