

QUIZ 9 – ICS 321 Fall 2017

Chapter 5 – Relational Operators. MATCHING, EXTEND, IMAGE RELATIONS and AGGREGATION.
Consider the following relvars.

Students

S	SID	Name
	10021	Scott Nishimoto
	10022	Tom Brower
	10023	Isaac Choy
	10024	Della Belatti
	10025	Sylvia Luke

Enrollment

E	SID	CRN
	10021	80303
	10021	90414
	10022	90414
	10022	65062
	10022	71366
	10023	65062
	10023	65205
	10023	89802
	10024	65205
	10024	89802
	10024	71366

Courses

C	CRN	Course	Description	Enrolled
	80303	BUS 310	Stat Analysis for Bus Decision	
	90414	BUS 311	Info Sys for Global Bus Enviro	
	65062	BUSA 345	Management Information Systems	
	65205	ICS 101	Digital Tools Info World	
	89802	ICS 211	Intro to Computer Science II	
	71366	ICS 321	Information Storage & Retrieval	
	78213	ICS 415	Intro to Prgrmmng for the Web	

1. What does the relation **S NOT MATCHING E** represent and who are they?
2. What does the relation **C NOT MATCHING E** represent and which ones are they?
3. Complete the statement to update Enrolled attribute using an image relation (!!):

UPDATE C : { Enrolled := _____ }

4. Describe what the following expression produces:

(S WHERE SID != 10022 AND (!!E) = (S WHERE SID=10022) (!!E)) { NAME }