Spring 2016, CS122A, UC Irvine, Quiz 7, Prof. Chen Li

Quiz 7	Student ID:	Name:	Score (out of 9):
1.	Let the relation R(A, B, C, D, E) has functional dependency set F={AB->C, BC->D, CD->E}. E is not functionally dependent on which of the following? (a) AB (b) BC (c) AC (d) CE		
2.		dent(ID, Name, PL). Here PL s is a multi-valued attribute, 1N	tands for the programming languages that IF is violated. (a) Yes (b) No
3.		R(<u>SSN</u> , Income, Tax, Ref	of 2016 taxes for every person: fund).) Income->Tax; and (2) Tax->Refund.
	(i) Does R violate 2 (a) Yes (b) No	NF? Why?	
	(ii) Does R violate 3 (a) Yes (b) No	NF? Why?	
	(iii) Does R violate B (a) Yes (b) No	CNF? Why?	
4.	Let relation R(A, B, C, D attributes that could po		->E, F->B}. Determine a set of the
5.	Let relation R(A, B, C, D (a) 2NF? Yes/No (b) 3NF? Yes/No (c) BCNF? Yes/No	, E) have FDs {AB->C, AB->D,	CD->A, CD->B}. Does R violate: