



Query: List names of emp along with names of dependents.

a new table with attributes from Emp ->
Frame 2 Dependent -> Dep-rame

Cross-Product X A: 21, 2, 33 B: Ea, 63

 $A \times B = \{ (1,a) (1,b) (2,a) (2,b) (3,a) (3,b) \}$ $B \times A = \{ (a,1) (a,2) (a,3) (b,1) (b,2) (b,3) \}$

na: number of tuples in A

MB: number of tuples in B

na * nB = number of hyples in A XB

Ca: # of columns en A

CB: # of columns is B

(ca + CB) = # of columns in AXB

EMP: 8 noves , 10 col 8 * 7 = 56 noves

DEPENDENT: 7 some, 5 st 10 +5 = 15 columns

EMP

SSN	Name	
1234	Mary	
5678	Ann	
9111	Toe	
8888	Jock	

DEA

ESSN	child
1234	Adam
1234	Sue
9111	Joe J8

RESULT

Emp Name	Children	
Mary	Adan	
Mary	Sue	
Joe	Joe J8	

EMP X DEP : 12 rous

4 columns

	EMP X	DEP	
SSN	Name	ESSN	child
1234	Mary	1234	Adam
1234	Mary	1234	Sue
1234	Mary	9111	Joe Jo
5678	Ann	1234	Adam
5678	Ann	1234	Sue
5678	Ann	9111	Joe Jr
9111	Toe	1234	Adam
9111	Toe	1234	Sue
9111	Toe	9111	Joe Jo
8888	Jack	1234	Adam
8888	Jack	1234	Sue
8888	Jack	9111	Joe J8

Query: List names of dependents of female emp.