SSN Int PRIMAF CREATE ProdID	CREATE TABLE Customer (SSN Integer, PRIMARY KEY (SSN)); CREATE TABLE Product (ProdID Integer, PRIMARY KEY (ProdId));				OT NULL, er, (AccntNo),	ler	CREATE TABLE Transaction (TransID Integer, AccntNo Integer, ProdId Integer, PRIMARY KEY (TransID), FOREIGN KEY (AccntNo) REFERENCES Account ON DELETE NO ACTION, FOREIGN KEY (ProdId)			
<u>Customer</u>	SSN	•••		Product	ProdID	•••	REFEREN	CES Product TE NO ACTION);	r	
	Ssn1				Pid1			ill no norion),		
	Ssn2				Pid2					
	Ssn3				Pid3	•••				
<u>Account</u>	SSN	AccntNo	•	<u>Tran</u>	<u>saction</u>	Trans	sID AcctN	o ProdID	•••	
	Ssn1	Acct1	•••			Tid1	Ассtб	Pid3		
	Ssn2	Acct4				Tid2	Acct3	Pid2		
	Ssn1	Acct2				Tid3	Acct3	Pid3		
	Ssn2	Acct3								
	Ssn2	Acct5						leted as a resu using a pen, g	lt of performing o slow):	
	Ssn3	Acct6		DELETE FROM Transaction WHERE ProdID = Pid3; DELETE FROM Customer WHERE SSN = Ssn1; DELETE FROM Customer WHERE SSN = Ssn2; DELETE FROM Customer WHERE SSN = Ssn3; DELETE FROM Product WHERE ProdID = Pid1; DELETE FROM Product WHERE ProdID = Pid2; DELETE FROM Product WHERE ProdID = Pid3;						

SSN Int PRIMAF CREATE ProdID	CREATE TABLE Customer (SSN Integer, PRIMARY KEY (SSN)); CREATE TABLE Product (ProdID Integer, PRIMARY KEY (ProdId)); Stomer SSN Ssn1 Ssn2				OT NULL, er, (AccntNo), (SSN) CES Custom E CASCADE ProdID Pid1 Pid2	Ti Ad Pi Pi ner Fo E);	CREATE TABLE Transaction (TransID Integer, AccntNo Integer, ProdId Integer, PRIMARY KEY (TransID), FOREIGN KEY (AccntNo) REFERENCES Account ON DELETE NO ACTION, FOREIGN KEY (ProdId) REFERENCES Product ON DELETE NO ACTION);			
. .	Ssn3			_	Pid3			- 11-		
<u>Account</u>	SSN	AccntNo	•	<u>Tran</u>	<u>saction</u>	TransID	AcctNo	ProdID	•	
	Ssn1	Acct1				Tid1	Acct6	Pid3	•••	
	Ssn2	Acct4	•••			Tid2	Acct3	Pid2	•••	
	Ssn1	Acct2				Tid3	Acct3	Pid3	••	

Ssn2 Acct3 ...

			Cross out all rows of each table that are deleted as a result of performing
Ssn2	Acct5	•••	these delete operations in order (if you are using a pen, go slow):

• • •

••

••

...

Ssn3 Acct6 ... **DELETE FROM Transaction WHERE ProdID = Pid3; DELETE FROM Customer WHERE SSN = Ssn1; DELETE FROM Customer WHERE SSN = Ssn2; DELETE FROM Customer WHERE SSN = Ssn3**; **DELETE FROM Product WHERE ProdID = Pid1; DELETE FROM Product WHERE ProdID = Pid2; DELETE FROM Product WHERE ProdID = Pid3;**

CREATE TABLE Customer (SSN Integer, PRIMARY KEY (SSN)); CREATE TABLE Product (ProdID Integer, PRIMARY KEY (ProdId));			SSN Accn PRIM FORI F	CREATE TABLE Account (SSN Integer NOT NULL, AccntNo Integer, PRIMARY KEY (AccntNo), FOREIGN KEY (SSN) REFERENCES Customer ON DELETE CASCADE);				CREATE TABLE Transaction (TransID Integer, AccntNo Integer, ProdId Integer, PRIMARY KEY (TransID), FOREIGN KEY (AccntNo) REFERENCES Account ON DELETE NO ACTION, FOREIGN KEY (ProdId)				
<u>Customer</u>	SSN	•••	Pr	oduct	ProdID	•••	R	EFERENCES	,			
	Ssn1				Pid1		0.					
	Ssn2				Pid2							
	Ssn3				Pid3							
<u>Account</u>	SSN	AccntNo	••••	<u>Tran</u>	<u>saction</u>	Trans	ID	AcctNo	ProdID	•••		
	Ssn1	Acct1				Tid1		Acct6	Pid3			
	Ssn2	Acct4				Tid2		Acct3	Pid2	•••		
	Ssn1	Acct2				Tid3		Acct3	Pid3			
	Ssn2	Acct3	•••									
	Ssn2	Acct5							d as a resul ng a pen, go	-	orming	
	Ssn3	Acct6	ם	DELETE FROM Transaction WHERE ProdID = Pid3; DELETE FROM Customer WHERE SSN = Ssn1; DELETE FROM Customer WHERE SSN = Ssn2; DELETE FROM Customer WHERE SSN = Ssn3; DELETE FROM Product WHERE ProdID = Pid1; DELETE FROM Product WHERE ProdID = Pid2;								

DELETE FROM Product WHERE ProdID = Pid3;

CREATE TABLE Customer (SSN Integer, PRIMARY KEY (SSN)); CREATE TABLE Product (ProdID Integer, PRIMARY KEY (ProdId));			CREATE TABLE Account (SSN Integer NOT NULL, AccntNo Integer, PRIMARY KEY (AccntNo), FOREIGN KEY (SSN) REFERENCES Customer ON DELETE CASCADE);				CREATE TABLE Transaction (TransID Integer, AccntNo Integer, ProdId Integer, PRIMARY KEY (TransID), FOREIGN KEY (AccntNo) REFERENCES Account ON DELETE NO ACTION,				
Customer	SSN	•••	<u>P</u> 1	<u>roduct</u>	ProdID	•••		CES Product E NO ACTION);			
	Ssn1	••••			Pid1		ON DELET	E NO ACTION),			
	Ssn2				Pid2						
	Ssn3				Pid3						
<u>Account</u>	SSN	AccntNo	•••	<u>Tran</u>	saction	Trans	ID AcctNo	o ProdID	•••		
	Ssn1	Acct1				Tid1	Accte	Pid3			
	Ssn2	Acct4				Tid2	Acct3	Pid2			
	Ssn1	Acct2				Tid3	Acct3	Pid3			
	Ssn2	Acct3									
	Ssn2	Acct5					le that are dele ler (if you are t			forming	
	Ssn3	Acct6	 DELETE FROM Transaction WHERE ProdID = Pid3; DELETE FROM Customer WHERE SSN = Ssn1; DELETE FROM Customer WHERE SSN = Ssn2; DELETE FROM Customer WHERE SSN = Ssn3; DELETE FROM Product WHERE ProdID = Pid1; DELETE FROM Product WHERE ProdID = Pid2; DELETE FROM Product WHERE ProdID = Pid3; 								

Consider di		ig iour table		, togethe				une iour t	abies.			
CREATE TABLE Customer (SSN Integer, PRIMARY KEY (SSN)); CREATE TABLE Product (ProdID Integer,			SSN In AccntN PRIMA FOREI	CREATE TABLE Account (SSN Integer NOT NULL, AccntNo Integer, PRIMARY KEY (AccntNo), FOREIGN KEY (SSN) REFERENCES Customer				CREATE TABLE Transaction (TransID Integer, AccntNo Integer, ProdId Integer, PRIMARY KEY (TransID),				
PRIMARY KEY (ProdId));				ON DELETE CASCADE);				I KEY (Acc RENCES A	,			
			UII),		ELETE NO				
								KEY (Pro				
<u>Customer</u>	SSN	•••	Pro	duct	ProdID	•••		RENCES I	Product) ACTION);			
	Ssn1	•••			Pid1				//			
	Ssn2				Pid2							
	Ssn3				Pid3							
<u>Account</u>	SSN	AccntNo	•••	Trans	action	Trans	sID Ac	ctNo	ProdID	•••		
	Orm 1	Acct1				Tid1			Pid3			
	Ssn1	ACCUI				-110-1	£		Pigs	•••		
	Ssn2	Acct4				Tid2	A	cct3	Pid2			
	Ssn1	Acct2	•••			Tid3	A	lect3	Pid3			
	Ssn2	Acct3								DELETE of		
	Ssn2	Acct5							as a result g a pen, go	-	orming	
	Ssn3	Acct6	DELETE FROM Transaction WHERE ProdID = Pid3; DELETE FROM Customer WHERE SSN = Ssn1; DELETE FROM Customer WHERE SSN = Ssn2; DELETE FROM Customer WHERE SSN = Ssn3; DELETE FROM Product WHERE ProdID = Pid1; DELETE FROM Product WHERE ProdID = Pid2; DELETE FROM Product WHERE ProdID = Pid3;									

CREATE TABLE Customer (SSN Integer, PRIMARY KEY (SSN)); CREATE TABLE Product (ProdID Integer, PRIMARY KEY (ProdId));			SSN Integer AccntNo Int PRIMARY K FOREIGN K REFERI	EY (AccntNo),	ıer	CREATE TABLE Transaction (TransID Integer, AccntNo Integer, ProdId Integer, PRIMARY KEY (TransID), FOREIGN KEY (AccntNo) REFERENCES Account ON DELETE NO ACTION, FOREIGN KEY (ProdId)				
<u>Customer</u>	SSN	•••	<u>Produc</u>	<u>t</u> ProdID	•••	REFERENCES ON DELETE NO	Product			
	Ssn1			Pid1						
	Ssn2			Pid2	•••					
	Ssn3	***		Pid3						
<u>Account</u>	SSN	AccntNo	<u>Tr</u> a	<u>ansaction</u>	Trans	ID AcctNo	ProdID	•••		
	Ssn1	Acct1	•••		Tid1	Acct6	Pid3			
	Ssn2	Acct4			Tid2	Acct3	Pid2	•••		
	Ssn1	Acct2			Tid3	Acct3	Pid3			
	Ssn2	Acct3								
	Ssn2	Acct5				le that are deleted ler (if you are usin				
	Ssn3	Acct6	DELETE DELETE DELETE DELETE DELETE DELETE DELETE	3;						

CREATE TABLE Customer (SSN Integer, PRIMARY KEY (SSN)); CREATE TABLE Product (ProdID Integer, PRIMARY KEY (ProdId));			SSN Accn PRIM FOR F	CREATE TABLE Account (SSN Integer NOT NULL, AccntNo Integer, PRIMARY KEY (AccntNo), FOREIGN KEY (SSN) REFERENCES Customer ON DELETE CASCADE);				CREATE TABLE Transaction (TransID Integer, AccntNo Integer, ProdId Integer, PRIMARY KEY (TransID), FOREIGN KEY (AccntNo) REFERENCES Account ON DELETE NO ACTION,				
Customer	SSN	•••	<u>P</u> 1	oduct	ProdID	•••	R	IGN KEY (Pro EFERENCES N DELETE N	Product			
	Ssn1	••••			Pid1		U.	N DELETE N	o Actiony,			
	Ssn2				Pid2							
	Ssn3 -				Pid3							
<u>Account</u>	SSN Ssn1	AccntNo	••••	<u>Tran</u>	<u>saction</u>	Trans Tid1	-	AcctNo	ProdID Pid3			
	Ssn2	Acct4				Tid2		Acct3	Pid2			
	Ssn1	Acct2	•••			Tid3		Acct3	Pid3			
	Ssn2	Acct3										
	Ssn2	Acct5							d as a result ng a pen, go		orming	
	Ssn3	Acct6	 DELETE FROM Transaction WHERE ProdID = Pid3; DELETE FROM Customer WHERE SSN = Ssn1; DELETE FROM Customer WHERE SSN = Ssn2; DELETE FROM Customer WHERE SSN = Ssn3; DELETE FROM Product WHERE ProdID = Pid1; DELETE FROM Product WHERE ProdID = Pid2; DELETE FROM Product WHERE ProdID = Pid3; 									

Constact th		ig iour table	deminions, toge			in each of the four					
SSN Int	CREATE TABLE Customer (SSN Integer, PRIMARY KEY (SSN));			LE Account (NOT NULL, eger, EY (AccntNo),		CREATE TABLE Transaction (TransID Integer, AccntNo Integer, ProdId Integer,					
CREATE	CREATE TABLE Product (FOREIGN KI	· · · · · ·		PRIMARY KEY (T					
	ProdID Integer,			NCES Custome	er	FOREIGN KEY (AccntNo)					
	PRIMARY KEY (ProdId));			ETE CASCADE);	REFERENCE	S Account				
						ON DELETE NO ACTION,					
						FOREIGN KEY (P	,				
<u>Customer</u>	SSN	•••	<u>Product</u>	ProdID	•••	REFERENCE ON DELETE I					
	Ssn1			Pid1			to nonony,				
	Ssn2			Pid2	•••						
	~ ~			D' 10							
	Ssn3	* * *		Pid3	•••						
• 4	001	A	•		A						
<u>Account</u>	SSN	AccntNo	<u>Tra</u>	<u>insaction</u>	Trans	sID AcctNo	ProdID	•••			
	Ssn1	Acct1			Tid1	Acct6	Pid3	••••			
						K	Bloc	ks DELETE of Pid2			
	Ssn2	Acct4			Tid2	Acct3	Pid2 🦷				
	Ssn1	Acct2			Tid3	Acct3	Pid3				
	36111	ACCLA	• • •		1103	ACCES	Fius				
	Ssn2	Acct3	•••								
				all rows of ea	ch tah	le that are delete	ad as a resul	t of performing			
	Ssn2	Acct5				der (if you are us		/			
				···· F			,,	<i>T</i> .,.			
	Ssn3	Acct6									
						ERE SSN = Ssn1; ERE SSN = Ssn2;					
						ERE SSN = SSn2; ERE SSN = Ssn3;	\smile /				
						RE ProdID = Pid1;					
			DELETE	DELETE FROM Product WHERE ProdID = Pid2,							
			> DELETE	FROM Produc	t WHE	$\mathbf{RE} \ \mathbf{ProdID} = \mathbf{Pid3};$					

