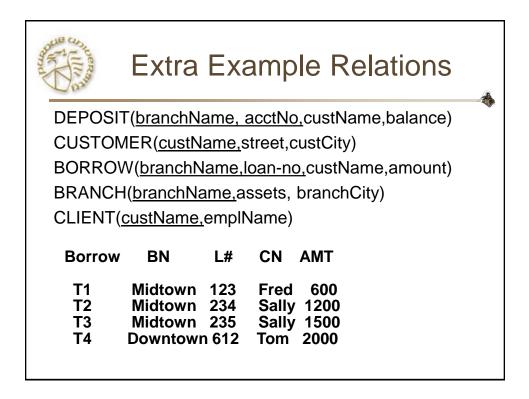
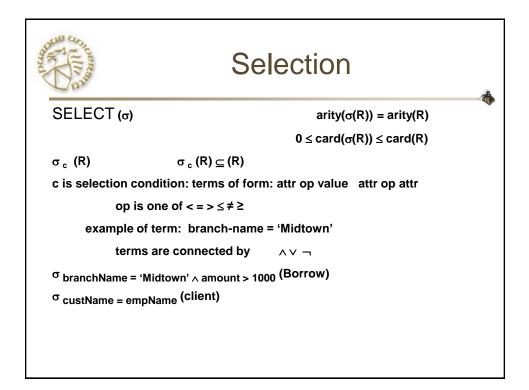
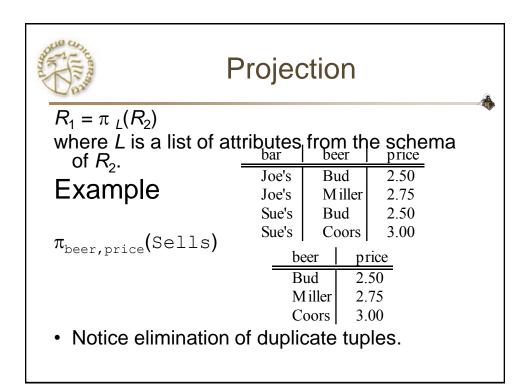
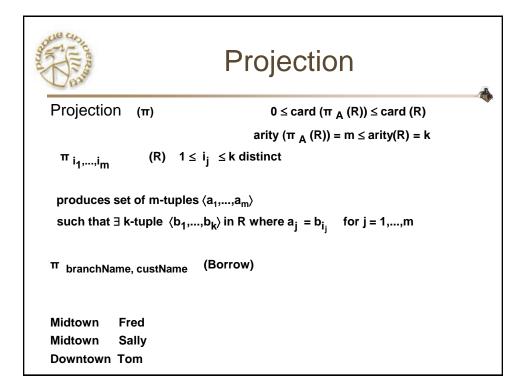


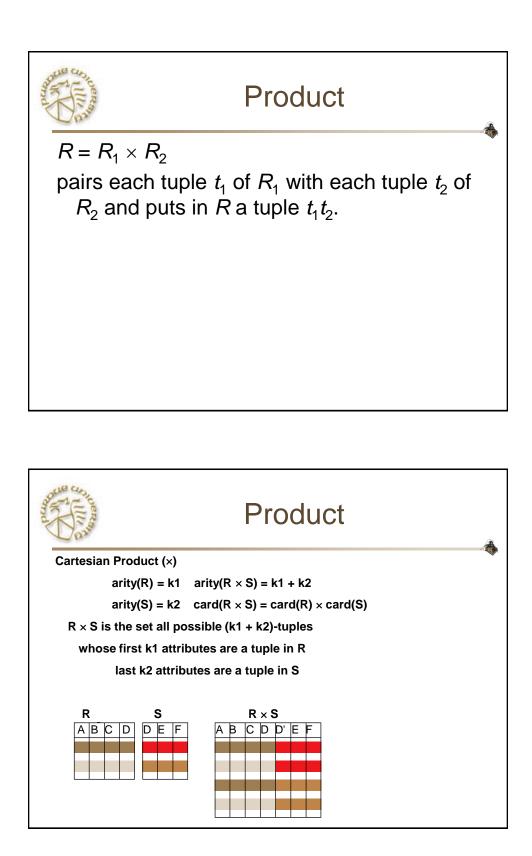
and the state	Se	electi	on		
$R_1 = \sigma_C(R_2)$					
where C is a condition involving the attributes of relation					
R_2 .	bar	beer	price		
Example	Joe's	Bud	2.50		
Relation Sells:	Joe's	Miller	2.75		
	Sue's	Bud	2.50		
	Sue's	Coors	3.00		
JoeMenu = $\sigma_{_{bar=Joe}}$, _s (Sells	5)			
	bar	beer	price		
	Joe's Joe's	Bud Miller	2.50 2.75		
	3003		2.13		

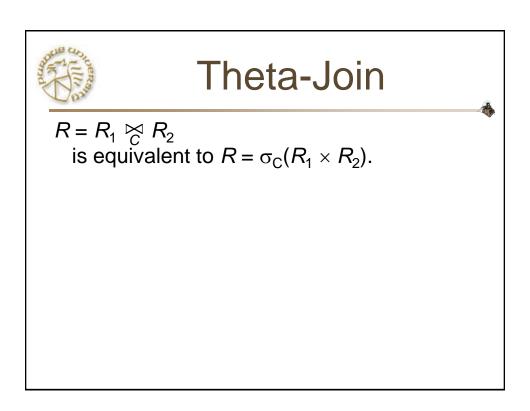




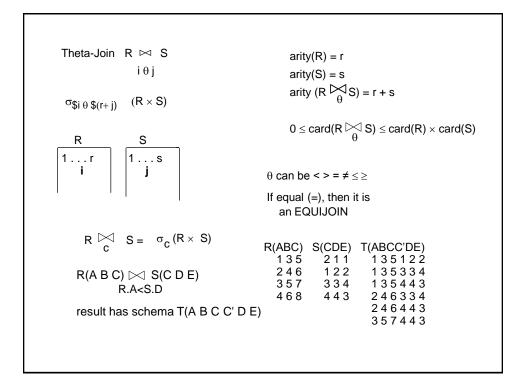


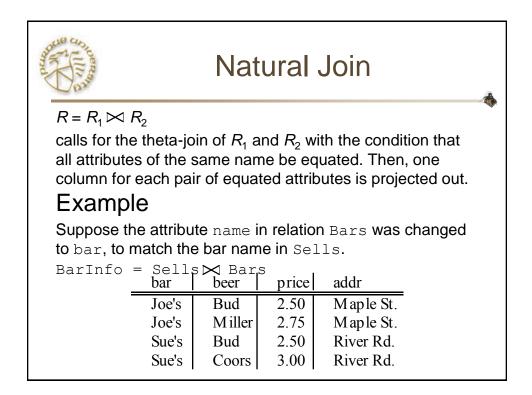


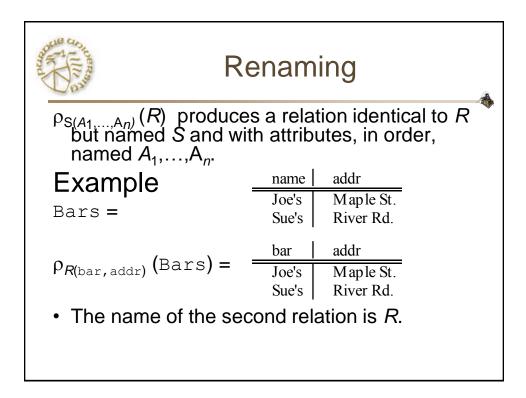


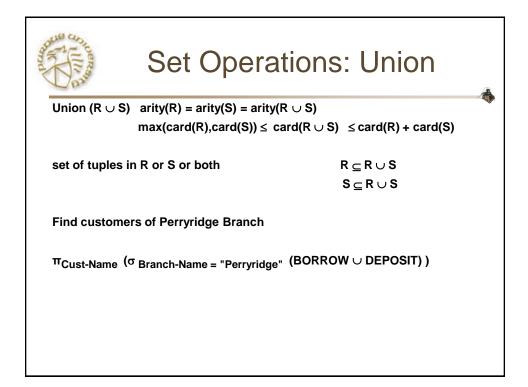


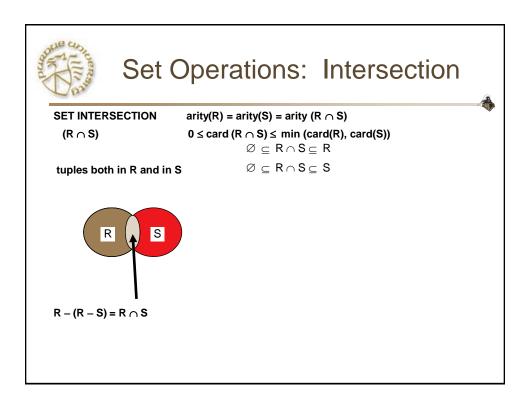
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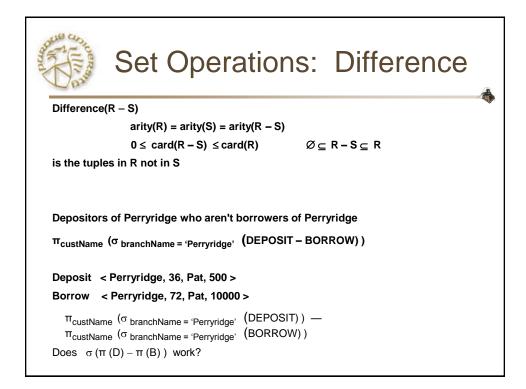


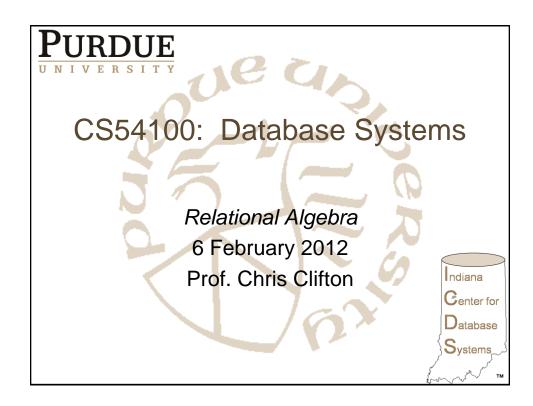


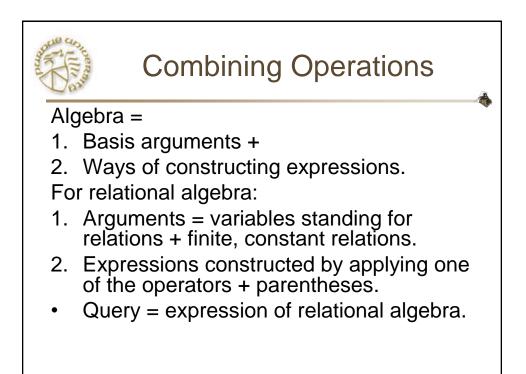


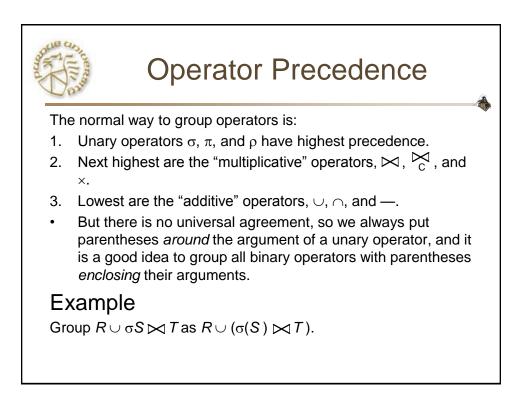


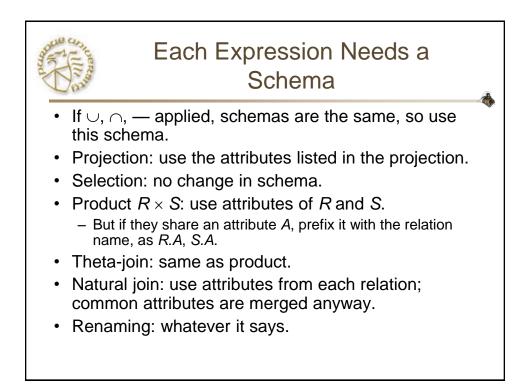


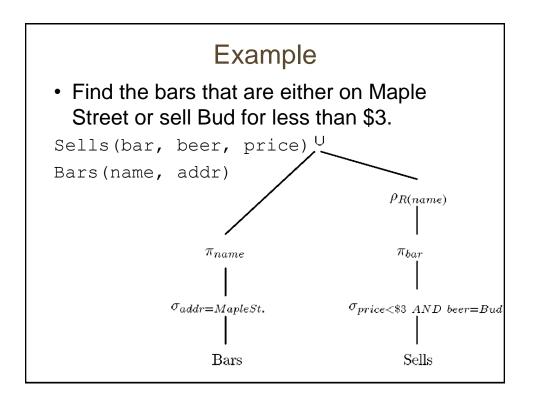


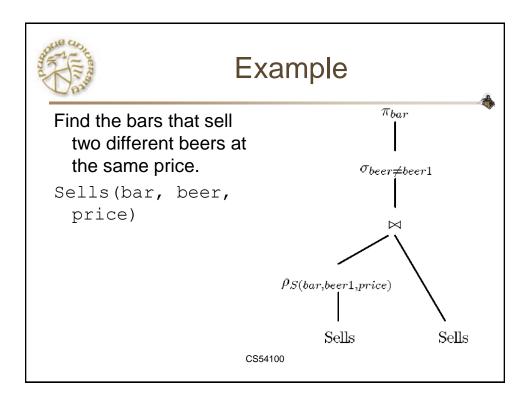


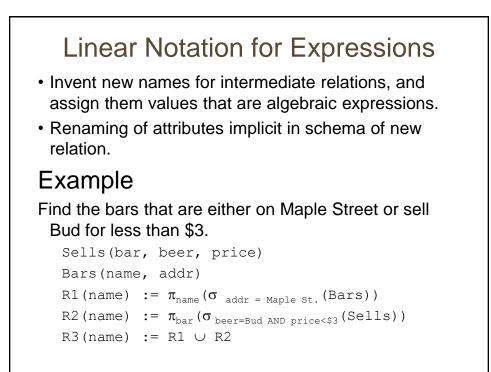


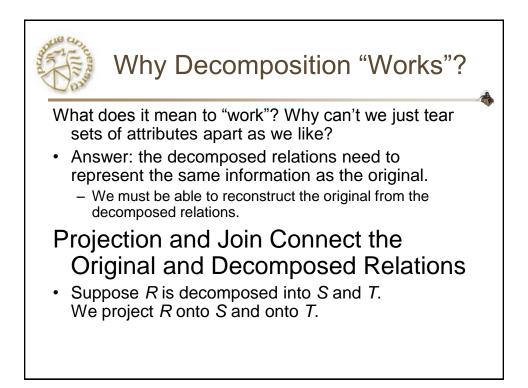






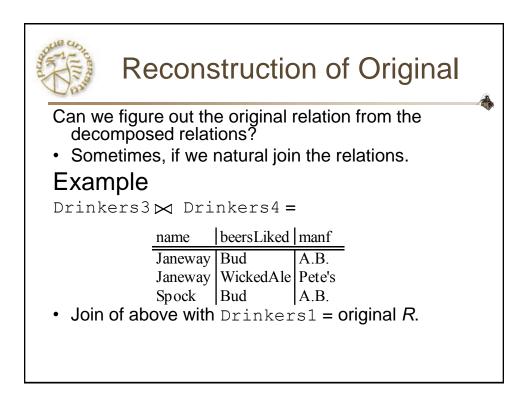


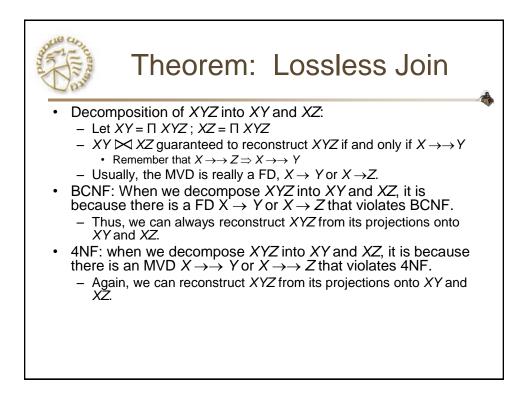


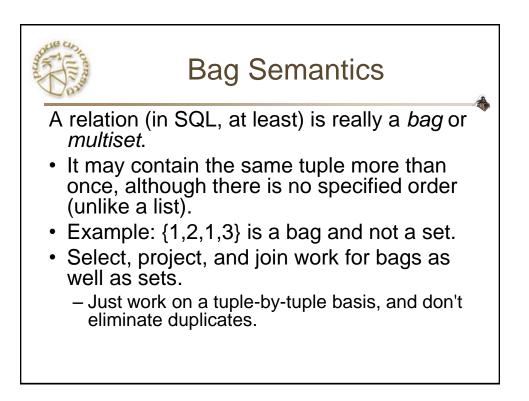


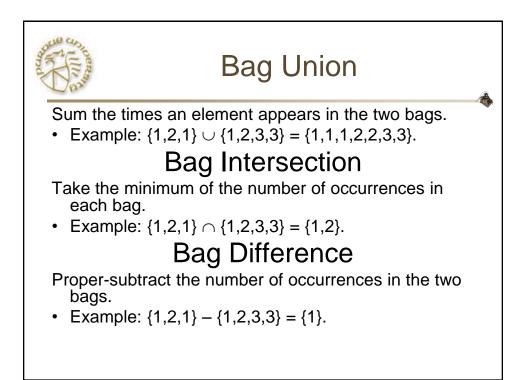
Suneres of the second		E	Examp	le		
R=	name	addr	beersLiked	manf	favoriteBeer	~
	Janeway	Voyager	Bud	A.B.	WickedAle	
	Janeway	Voyager	WickedAle	Pete's	WickedAle	
	Spock	Enterprise	Bud	A.B.	Bud	
– na – be	ame → a ame → f	avoriteBe d → mar				

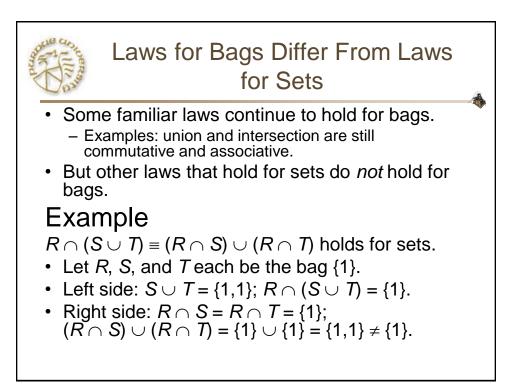
Project onto Dr.		l (<u>n</u> a	ame,	addr,
	name	add	r	favoriteBeer
				WickedAle
	Spock	۳ I	•	
	- I		r - r	
Project onto Dr	inkers	3(k	beers	sLiked, manf):
		·		
	beersLiked manf			
	Bud		A.B.	
	Wicke	dAle	Pete's	5
	Bud		A.B.	
Project onto Dr	inkers	4(r	name	, beersLiked):
	name		ersLik	·
	Janewa	y Bi	ud	
	Janewa	y W	/icked/	Ale
	Spock	B	ud	

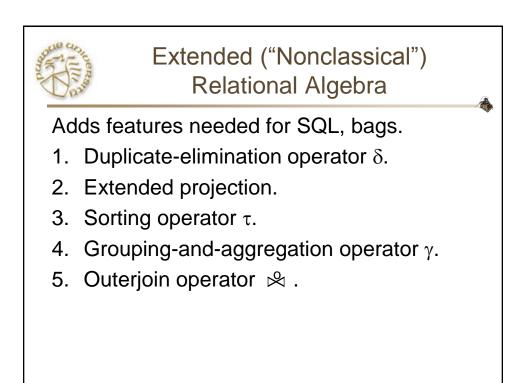


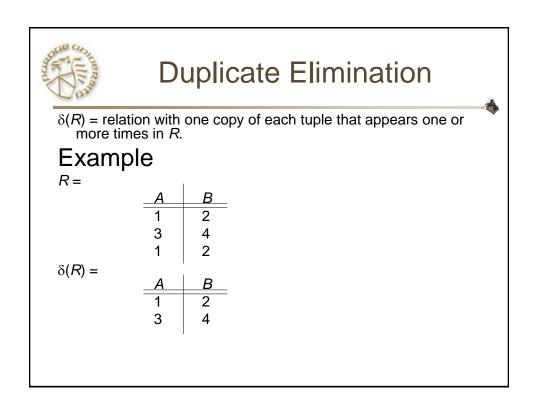


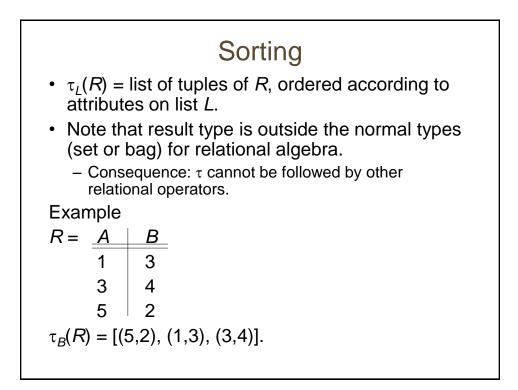


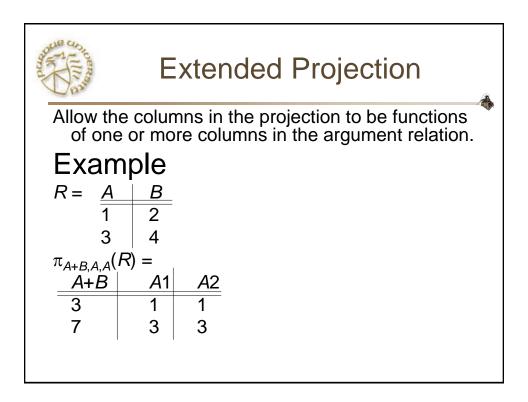


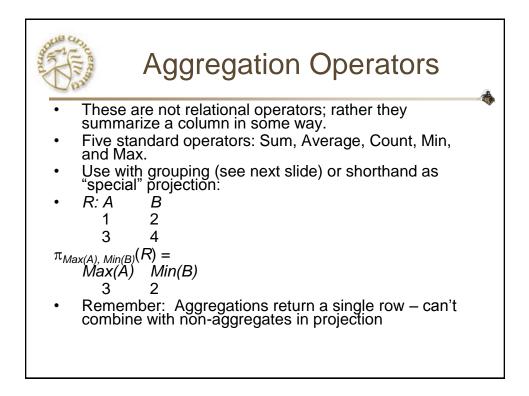


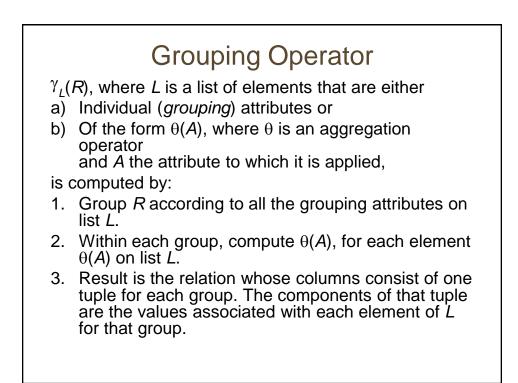












		Exa	ample
Let R =			
	bar	beer	price
	Joe's	Bud	2.00
	Joe's	Miller	2.75
	Sue's	Bud	2.50
	Sue's	Coors	3.00
	Mel's	Miller	3.25
Compute γ_{be}	er AVG(price)	R).	
			e(s), beer in this case:
	bar	beer	price
	Joe's	Bud	2.00
	Sue's	Bud	2.50
	Joe's	Miller	2.75
	Mel's	Miller	3.25
	Sue's	Coors	3.00
		I	1

