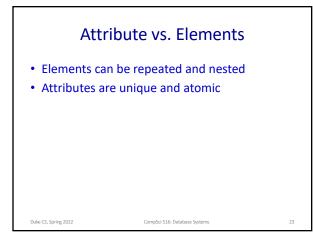
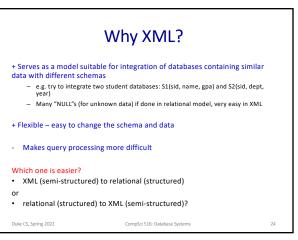


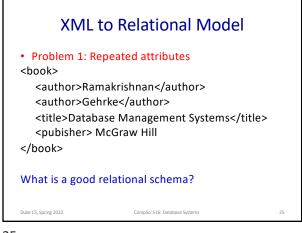
XML: A brief overview

CompSci 516: Database System

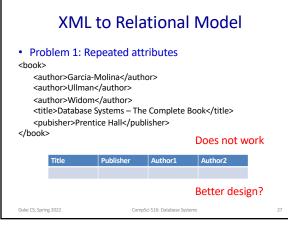


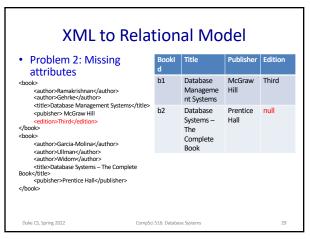


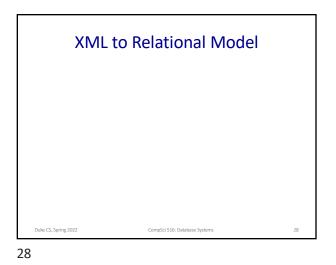


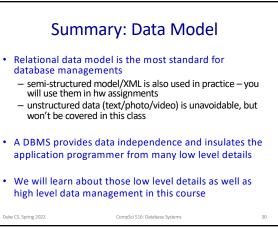


XML to Relational Model • Problem 1: Repeated attributes <book> <author>Ramakrishnan</author> <author>Gehrke</author> <ditle>Database Management Systems obsher> McGraw Hill </ditle></book>										
Title	Publisher	Author1	Author2							
Duke CS, Spring 2022		CompSci 516: Database	Systems	26						

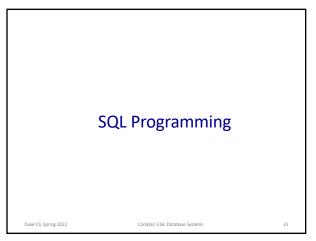


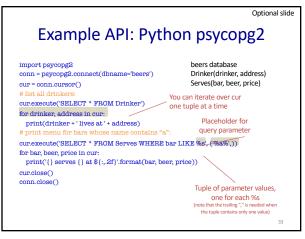


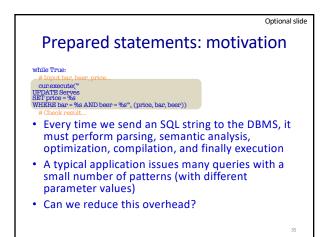


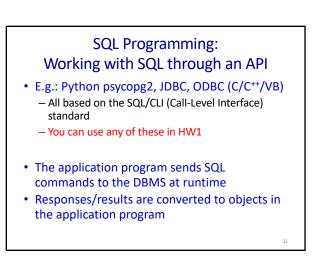


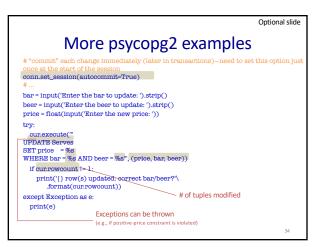


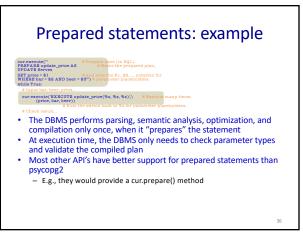


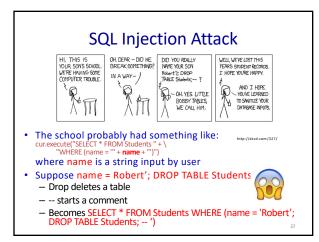




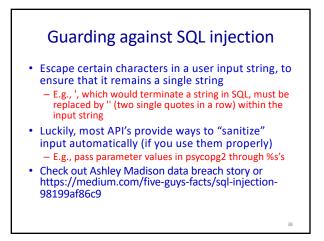


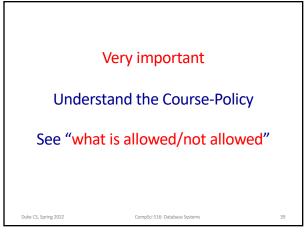


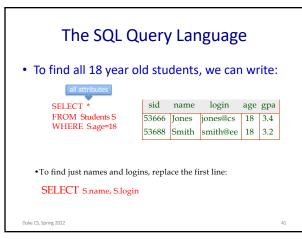


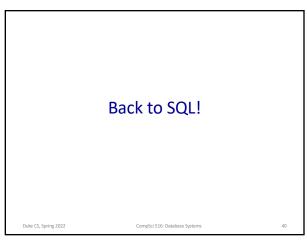




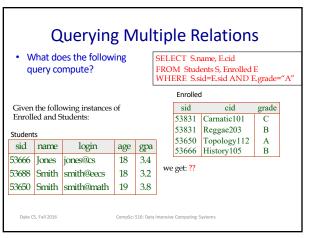


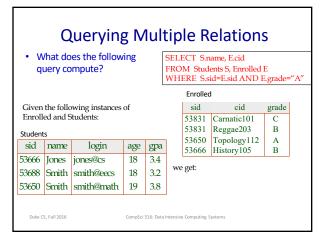


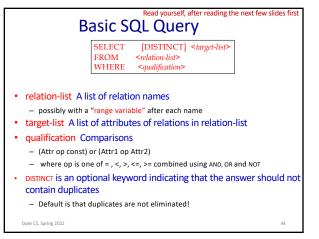


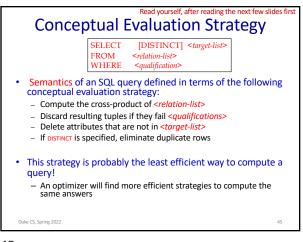


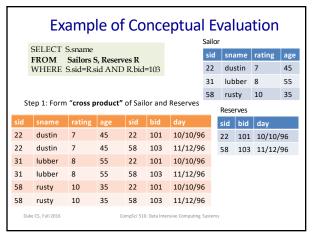


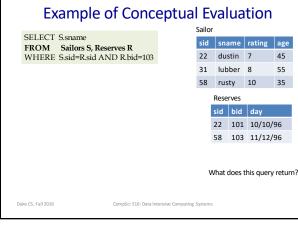




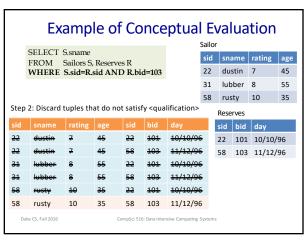






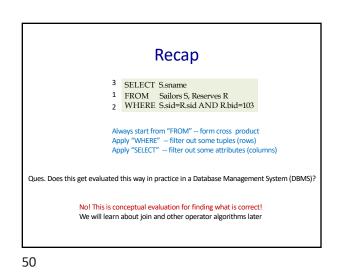




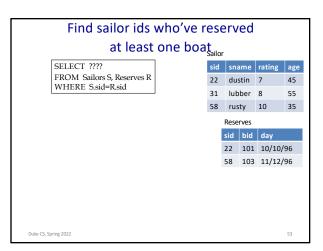


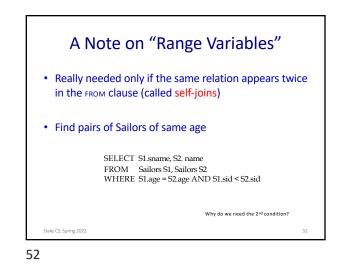


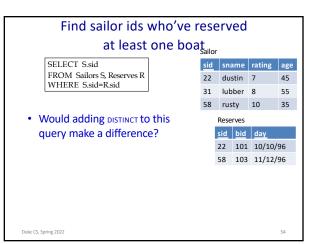
		~				eptual Evaluation Sailor					
	SELECT FROM			۶R			sid	sn	ame	rating	age
FROM Sailors S, Reserves R WHERE S.sid=R.sid AND R.bid=103					=103		22		stin	7	45
							31	lut	ber	8	55
							58	rus	sty	10	35
Step	3: Select tl	he specifi	ed attrib	ute(s)				Rese	erves		
sid	sname	rating	age	sid	bid	day		sid	bid	day	
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	uustiin	7 8	45 55	58 22	103 101	11/12/90 10/10/90		58	103	11/12/	96
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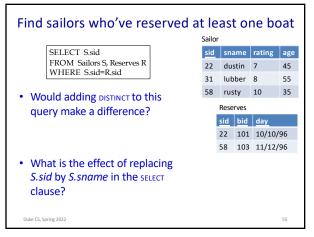
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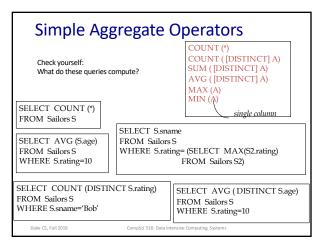


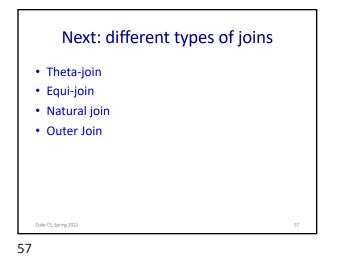


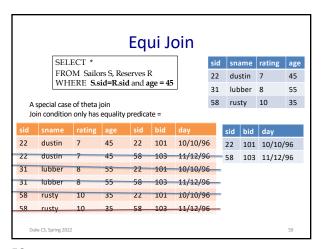


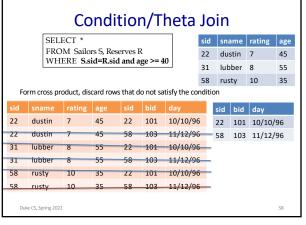


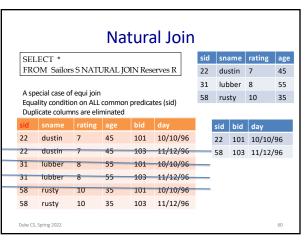




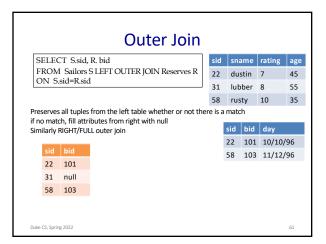


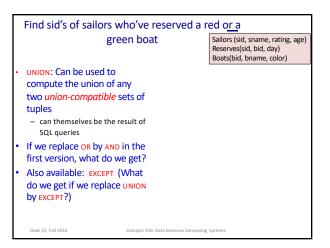


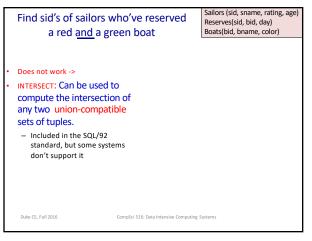


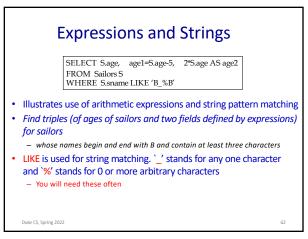


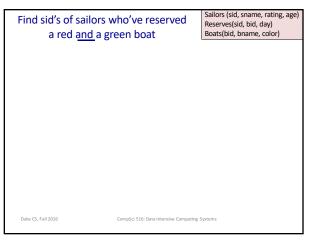


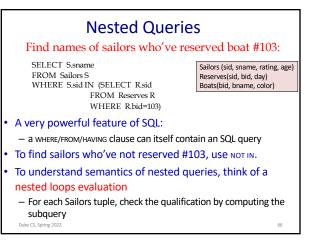














Nested Queries with Correlation Find names of sailors who've reserved boat #103: SELECT Same FROM Sailors S WHERE EXISTS (SELECT * FROM Reserves R WHERE R.bid=103 AND S.sid=R.sid • EXISTS is another set comparison operator, like IN • Illustrates why, in general, subquery must be recomputed for each Sailors tuple Due CS, Spring 2022 67 68

