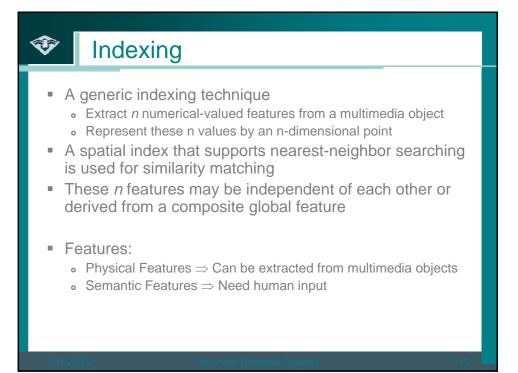
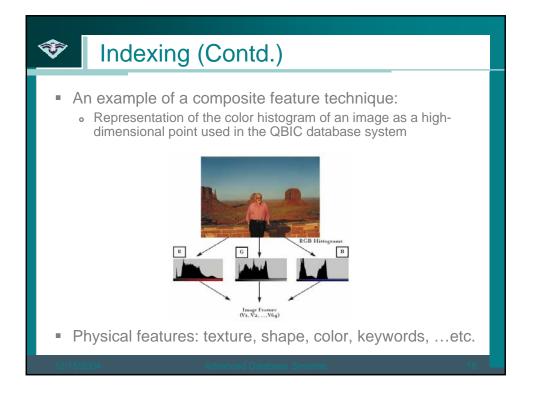
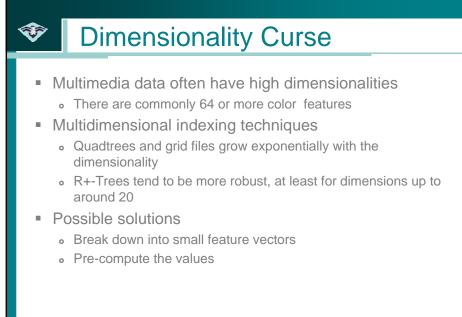
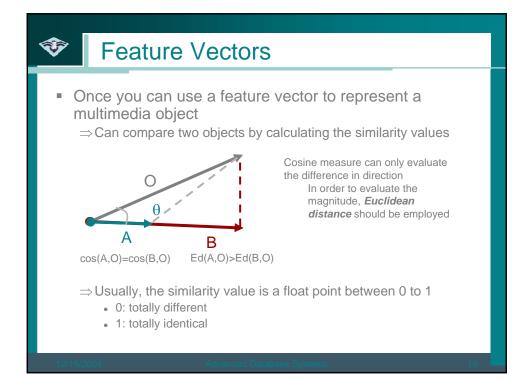


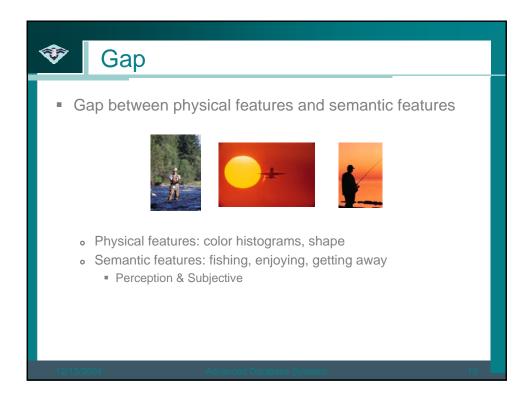
Query Processing
 Querying in a multimedia database is quite different Browsing takes on added importance in a multimedia environment Queries can contain multimedia objects input by the user The results of these queries are based not on perfect matches but on degrees of similarity
 Examples of similarity queries are: Retrieve all video shots showing my friend Tom dancing, given a photograph of Tom Show me all mug shots of criminals resembling this sketch
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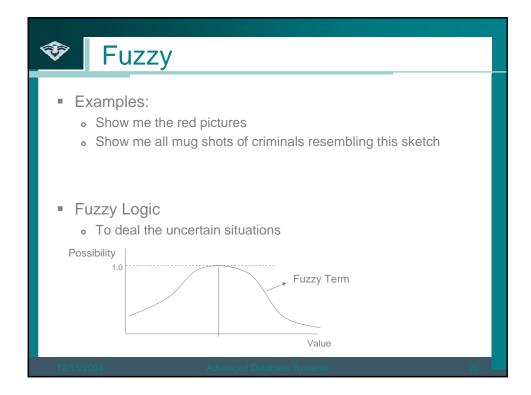


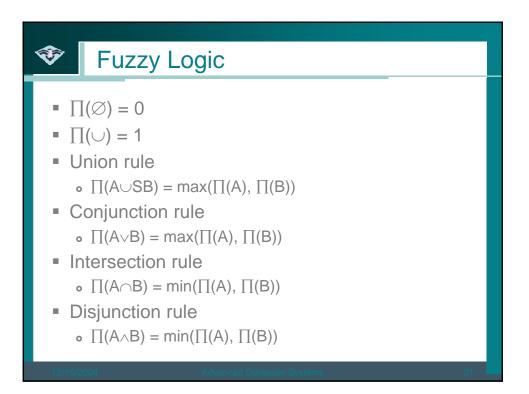


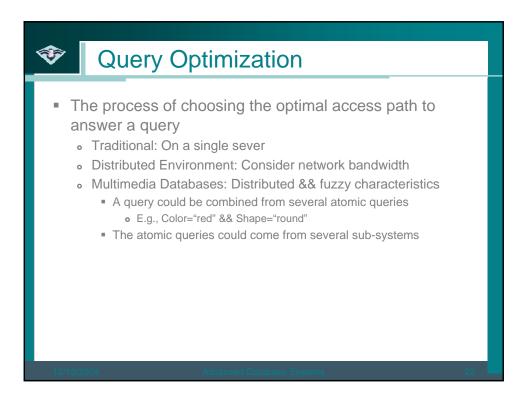


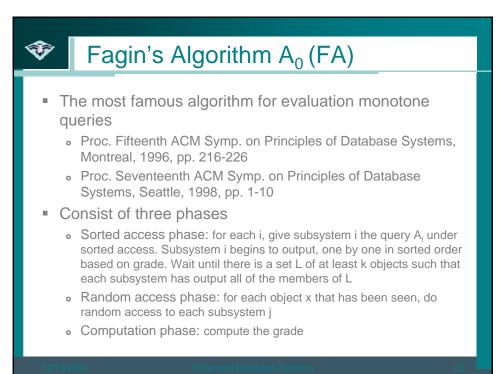


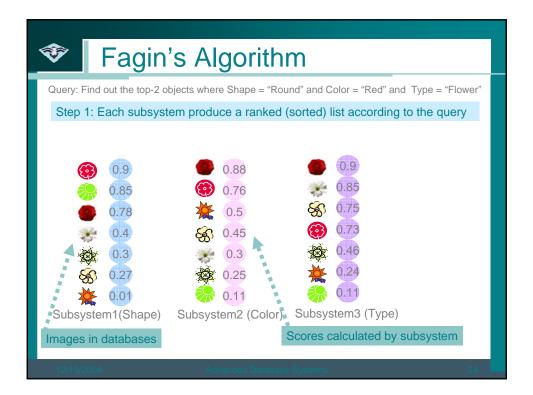


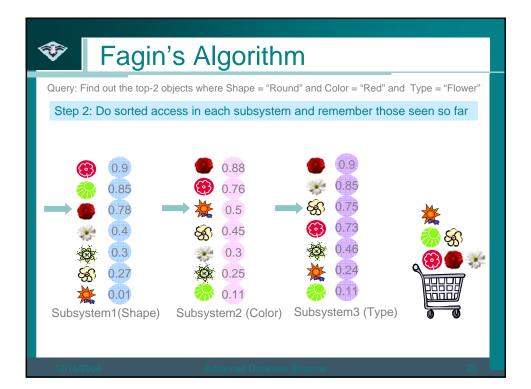


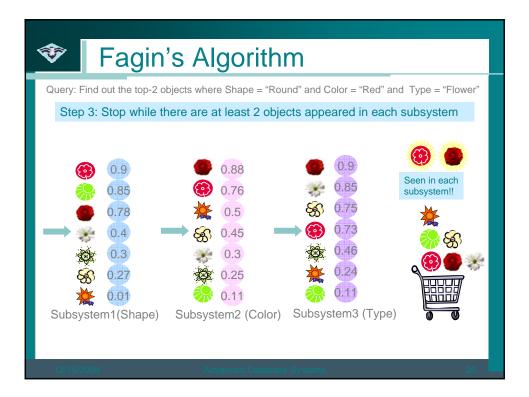












🕸 Fag	in's Algorithm
Query: Find out the top	p-2 objects where Shape = "Round" and Color = "Red" and Type = "Flower"
Step 4: For each	object have been seen, do random access to get their scores
	0.9 and 0.76 and 0.73
🥵 🔍	.85 and 0.11 and 0.11
	.78 and 0.88 and 0.9
*	0.4 and 0.3 and 0.85
* 0	.01 and 0.5 and 0.24
	.27 and 0.45 and 0.75
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Fagin's Algorithm
Query: Find out the top-2 objects where Shape = "Round" and Color = "Red" and Type = "Flower" Step 5:Compute the query and get the results
(0.9 \land 0.76 \land 0.73) = Min($0.9, 0.76, 0.73$) = 0.73
$(0.85 \land 0.11 \land 0.11) = Min(0.85, 0.11, 0.11) = 0.11$
(0.78 \land 0.88 \land 0.9) = Min(0.78, 0.88, 0.9) = 0.78
(0.4 \land 0.3 \land 0.85) = Min(0.4, 0.3, 0.85) = 0.3
$(0.01 \land 0.5 \land 0.24) = Min(0.01, 0.5, 0.24) = 0.01$
$\underbrace{60.27}_{\text{M}} (0.27 \ \land \ 0.45 \ \land \ 0.75 \) = \text{Min}(0.27, 0.45, 0.75) = 0.27$
The top 2 are 👸 and 🕌
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