



	EmployeeNi -	Province
	EAA-22	Alberta
	EAA-23	Alberta
Student Exercise #2	EAA-24	British Colu
	EAA-66	Alberta
	EAB-22	Alberta
	EAB-24	Alberta
· Miller seconds - 10 - seconds - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1	EAB-99	Alberta
 What records will appear with the following query 	EAC-10	Alberta
	EAC-23	Alberta
Graphical Design View	EAC-25	Alberta
	EAC-33	Alberta
	EAC-40	Alberta
Field: EmployeeNumber Province	EAC-SU	Alberta
Table: Employees Employees	EAC-333	Alberta
Show:	E77-/19	Alberta
• SQL SELECT Employees.EmployeeNumber, Employees.Province FROM Employees WHERE ((Employees.Province="AB") And (Employees.Province="BC"));		
Author: James Tam		



	Z EmployeeNi 👻	PayRate 🔹
	EAA-22	\$30.00
	EAA-23	\$20.00
Student Exercise #4	EAA-24	\$30.00
	EAA-66	\$20.00
	EAB-22)	\$30.00
	EAB-24 5	\$35.00
· AATLAN AND AND AND AND AND AND AND AND AND A	EAB-99 5	\$100.00
 what records will appear with the following quer 	EAC-10 5	\$50.00
	EAC-23 5	\$50.00
 Graphical Design View 	EAC-25 7	\$15.00
	EAC-33)	\$30.00
	EAC-40 5	\$25.00
Table: Employees Employees Employees	EAC-50	\$20.00
Sort:	EAC-999 2	\$20.00
Show:	EAD-99	\$20.00
 SQL SELECT Employees.FirstName, Employees.LastName, Employees.PayRate FROM Employees WHERE (Not ((Employees.PayRate >=25) Or (Employees.PayRate<=50)); 		
Author: James Tam		

	EAA-22	\$30.00				
	EAA-23	\$20.00				
	EAA-24	\$30.00				
			EAA-66	\$20.00		
			EAB-22)	\$30.00		
• What records will appear with the following every				\$100.00		
	us will appear with	the following query	EAC-10)	\$50.00		
a Cranhinal D			EAC-25 7	\$50.00		
 Graphical L 	esign view		EAC-33	\$30.00		
			EAC-40 5	\$25.00		
Field: Employee	lumber PayRate		EAC-50	\$20.00		
Table: Employees	Employees		EAC-999 2	\$20.00		
Sort:			EAD-99	\$20.00		
Show:		_	EZZ-49 7	\$50.00		
<pre>Show: Value V</pre>						
Author: James Tam						

			4	EmployeeN	•	PayRate 🔹
				EAA-22		\$30.00
						\$20.00
	Student Exercise #6					\$30.00
				EAA-66		\$20.00
				EAB-22)	\$30.00
				EAB-24	5	\$35.00
• \ A /le •		ماط والانتياب ومعامدها	falla	EAB-99	5	\$100.00
• what	t records wi	li appear with the	e tollowing query_	EAC-10	5	\$50.00
-				EAC-23	5	\$50.00
 Grap 	hical Design	i View		EAC-25	7	\$15.00
•			_	EAC-33)	\$30.00
Field:	EmployeeNumber	PavRate	-	EAC-40)	\$25.00
Table:	Employees	Employees	-	EAC-SU	2	\$20.00
Sort:			-	EAC-999	2	\$20.00
Show:				EAD-33	7	\$20.00
Criteria:		Not (>=25) And Not (<=50)	-	122-43	1	4
• SQL SELEC FROM WHERE (Empl	T Employees Employees ((Not (Emp oyees.PayRa	.EmployeeNumber, loyees.PayRate>=2 te<=50)))	Employees.PayRate 5) And Not			
Author: James	Tam					



















Step 2: S	elect The Appropria Tables	te Attributes From	n The
Field:	EmployeeNumber	ProvinceCode	\sim
Table:	Employees	Provinces	
Sort:			
Show:			
Criteria			
Author: James Tam			



Query 2: Multi-Table Query (Simple Query, SQL)						
Complete query:						
SELECI Employees.EmployeeNumber, Provinces.	rovinceCo	de				
FROM Provinces INNER JOIN Employees						
ON Drovincos DrovincoCodo - Employeos Drov	dinco.					
ow provinces.provincecode = Empioyees.prov	vince,					
	Results					
	EmployeeNi -	ProvinceCode -				
	EAA-22	Alberta				
	EAA-23	Alberta				
	EAA-66	Alberta				
	EAB-22	Alberta				
	EAB-24	Alberta				
	EAB-99	Alberta				
	EAC-10	Alberta				
	EAC-23	Alberta				
	EAC-25	Alberta				
	EAC-33	Alberta				
	EAC-40	Alberta				
	EAC-50	Alberta				
	EAC-999	Alberta				
	EAD-99	Alberta				
	EZZ-49	Alberta				
Author: James Tam	EAA-24	British Columbia				



	🖉 EmployeeNi 👻	Province 👻
Query 2B: Incorrect SQL Version	EAA-22	Alberta
	EAA-22	Alberta
	EAA-23	Alberta
	EAA-23	Alberta
SELECT Employees EmployeeNumber	EAA-24	British Columbia
SELECT Employees.EmployeeNumber,	EAA-24	British Columbia
Emplovees.Province	EAA-66	Alberta
	EAA-66	Alberta
FROM Provinces, Employees;	EAB-22	Alberta
	EAB-22	Alberta
	EAB-24	Alberta
	EAB-24	Alberta
	EAB-99	Alberta
	EAB-99	Alberta
	EAC-10	Alberta
	EAC-10	Alberta
	EAC-23	Alberta
	EAC-23	Alberta
	EAC-25	Alberta
	EAC-25	Alberta
	EAC-33	Alberta
	EAC-33	Alberta
	EAC-40	Alberta
	EAC-40	Alberta
	EAC-50	Alberta
	EAC-50	Alberta
	EAC-999	Alberta
	EAC-999	Alberta
	EAD-99	Alberta
	EAD-99	Alberta
	EZZ-49	Alberta
Author: James Tam	EZZ-49	Alberta



Query 3: Multi-tables Query Combined With Logic (Graphical Design View)								
• Sho fror Alb foll	ow full r m 'Prov erta en owing c	name, p inces') nployee ategori	orovince an of employe es whose ea ies: less tha	id provi ees as w arnings an \$21,	nce ab vell as falls w more	breviatic the pay r rithin one than \$75	on (both rate fror e the	n
F)	tak en un							
FI	eld: FirstNam	e I	LastName	ProvinceCode	Abt	previation	PayRate	
S	ort:		Lilipioyees	FIOVINCES	FIU	vinces	Linployees	
Sh	ow:		\checkmark			\checkmark		
Crite	ria:			"Alberta"			<21 Or >75	
			Query 2. maia a	able query (more	compiesy	Devidente		
	-irstiname 👻	Lastivame	ProvinceCode	 Abbrev 	lation 👻	Раукате		
	ohn	Smith	Alberta	AB		Şž	20.00	
E	ric	Cartman	Alberta	AB		Şž	20.00	
	eonard	Lemoy	Alberta	AB		\$10	00.00	
H	eather	Morris	Alberta	AB		ŞI	15.00	
C	laudia	Wolf	Alberta	AB		\$2 \$2	20.00	
н	omer	Simpson	Alberta	AB		\$2	20.00	
A	manda	Williams	Alberta	AB		Ş2	20.00	
Author: Jam	es Tam							
I action Jan	c5 ium							









Reminder From Lecture: Defining Calculated Attributes						
 To specify that a ta type as 'calculated 	ble attribute will be derived, in design view specify the ,					
 (Used when the re pay taxes) so a colu 	sult applies to all/most records (e.g. all employees must umn stores taxes owed for each employee.					
Field Name	DataType					
SIN SIN	Short Text					
Salary	Currency					
VearsEmployment	Number					
Taxos						
Taxes						
 The enter the expression (calculation) in the following format: [<attribute>] or constant <operation> [<attribute>] or</attribute></operation></attribute> General Lookup Expression [Salary]*0.25] Result Type Currency Format Currency Decimal Places Auto Caption General 						
Author: James Tam						









Calculated Values: Which Way?								
 Should table or 	 Should the value be derived and stored as an attribute in the table or should it be only be derived as the guery is run? 							
• Rule of	thumb:							
– Data ap table (e	oplies to mo e.g. taxes ov	ost/all recor ved for eac	ds: st h emp	ore the ployee)	result in the a	ttributes of the		
 SIN Salary YearsEmployment Taxes 111111111 \$100,000.00 40 \$25,000.00 111111112 \$50,000.00 18 \$12,500.00 111111113 \$138,000.00 60 \$34,500.00 111111113 11111113 \$138,000.00 60 \$34,500.00 111111113 11111113 11111113 11111113 11111113 11111111 111111111 111111111 111111111 11111111 111111111 1111111111 111111111 111111111 111111111 111111111 111111111 1111111111 1111111111 11111111111 11111111111 11111111111 11111111111 1111111111 1111111111 11111111111 11111111111111 111111111111 111111111111 111111111111 111111111111111111 1111111111111111111 11111								
Field: Table: Show: Criteria:	SIN Employees	YearsEmployment Employees >=40	EarlyRetir	ementBuyout: [Ye	earsEmployment]*[Salary]/10)		
Author: James Tar	n							

