Ryan Neumann Database Management Pablo Rivas 4 February 2016

148-100-190- Server [loca Database [po Port [5432]: Username [po psql (9.5.0] Type "help"	ostgres]: CAN ostgres]: for help.	eumann\$ /L:		greSQL∕9.5/	'scripts∕ru	unpsql.sh;	exit
CAP=# select CAP-# from c							
cid	name	city	discount				
c001 Tip1	ор	Duluth	10.00				
c002 Bas:	ics	Dallas	12.00				
c003 All:		Dallas	8.00				
c004 ACME	Ē	Duluth	8.00				
	land-Yutani	Acheron	0.00				
		Kyoto	0.00				
c006 ACME (6 rows)							

)						
CAP=# select *						
rom ord	ders;					
mon	cid	aid	pid	qty	dollars	
++	+	+	+	+	+	
jan	c001	a01	p01	1000	450.00	
jan	c002	a03	p03	1000	880.00	
jan	c003	a03	p05	1200	1104.00	
jan	c006	a01	p01	1000	500.00	
feb	c001	a06	p03	600	540.00	
feb	c001	a03	p04	600	540.00	
feb	c001	a02	p02	400	180.00	
feb	c006	a03	p07	600	600.00	
feb	c004	a06	p01	1000	460.00	
mar	c001	a05	p06	400	720.00	
mar	c001	a04	p05	500	450.00	
mar	c006	a06	p01	800	400.00	
apr	c001	a05		800	720.00	
					740.00	
	rom ord mon jan jan jan jan feb feb feb feb mar	elect * rom orders; mon cid	clect * rom orders; mon cid aid	Select * From orders; From ord	Select * From orders; From ord	

	select from ag		
aid	name	city	percent
	+	+	+
a01	Smith	New York	6
a02	Jones	Newark	j 6
a03	Brown	Tokyo	j 7
a04	Gray	New York	j 6
a05	Otasi	Duluth	j 5
a06	Smith	Dallas	j 5
a08	Bond	London	j 7
(7 rov			

CAD-# [

	select * from pro	ducts; city	quantity	priceusd
p01	comb	Dallas	111400	0.50
p02	brush	Newark	203000	0.50
p03	razor	Duluth	150600	1.00
p04	pen	Duluth	125300	1.00
p05	pencil	Dallas	221400	1.00
p06	folder	Dallas	123100	2.00
p07	case	Newark	100500	1.00
p08	clip	Newark	200600	1.25
(8 rov	ws)			

A primary key has the smallest amount of super keys. Ideally only composed of one. A candidate key is a super key for which no proper subset is a super key. Lastly, a super key is simply a subset of a key.

A data type specifies the type of data of any object. All tables include data types. Such as a database table for the sales at a restaurant. There would be a field for the name of the food or beverage sold. This would be a text field and would not be nullable. Then the next field would likely be how many of the item was sold. This would be an int field and would be nullable. Then would come the price of the item. This would be a money data type, and would be nullable. After that, there would be a total sold, giving the total dollar amount of each item that was sold. This would be a money data type, and would be nullable.

The first normal form rule sets the basic rules for an organized database. It ensures that there are no repeating groups of data and also that there is a primary key. However, you must define data items. So you would put all the columns relating payment of businesses in the Business Payment table, and those relating to individual customers into the Customers table.

The second rule of the relational model, or the "access rows by content only" rule, can only retrieve rows by their content. There is no order on the row. Thus, a query cannot ask for an entire row of a table. Instead, you would have to specify the value of the row.

The third rule, "all rows must be unique", stating that two rows may not have the same values in the entire column. This is to distinguish each row from one another, allowing a query language to retrieve it with it's unique value. For example, in a Student table, the Student_Number values would have to be unique.