

Juan Diaz

Dr. Rivas

Lab 2

Show query box

✓ Showing rows 0 - 5 (6 total, Query took 0.0003 seconds.)

```
select * from customers
```

☐ Profiling [[Inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP Code](#)] [[Refresh](#)]

Number of rows: 25 Filter rows:

Sort by key:

+ Options

← T →

▼

				cid	name	city	discount
<input type="checkbox"/>				c001	Tiptop	Duluth	10.00
<input type="checkbox"/>				c002	Basics	Dallas	12.00
<input type="checkbox"/>				c003	Allied	Dallas	8.00
<input type="checkbox"/>				c004	ACME	Duluth	8.00
<input type="checkbox"/>				c005	Weyland-Yutani	Acheron	0.00
<input type="checkbox"/>				c006	ACME	Kyoto	0.00

☐ Check All With selected: Change Delete Export

Number of rows: 25 Filter rows:

Query results operations

Print view Print view (with full texts) Export Display chart Create view

✓ Showing rows 0 - 5 (6 total, Query took 0.0003 seconds.)

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☐ Check All With selected: Change Delete Export

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Query results operations

Print view Print view (with full texts) Export Display chart Create view

Show query box

Showing rows 0 - 6 (7 total, Query took 0.0002 seconds.)

`select * from agents`

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Number of rows: 25 Filter rows:

Sort by key: None

+ Options

				aid	name	city	percent
<input type="checkbox"/>				a01	Smith	New York	6
<input type="checkbox"/>				a02	Jones	Newark	6
<input type="checkbox"/>				a03	Brown	Tokyo	7
<input type="checkbox"/>				a04	Gray	New York	6
<input type="checkbox"/>				a05	Otasi	Duluth	5
<input type="checkbox"/>				a06	Smith	Dallas	5
<input type="checkbox"/>				a08	Bond	London	7

☐ Check All With selected: Change Delete Export

Number of rows: 25 Filter rows:

Query results operations

Print view Print view (with full texts) Export Display chart Create view

Show query box

Showing rows 0 - 7 (8 total, Query took 0.0003 seconds.)

`select * from products`

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Number of rows: 25 Filter rows:

Sort by key: None

+ Options

					pid	name	city	quantity	priceUSD
<input type="checkbox"/>					p01	comb	Dallas	111400	0.50
<input type="checkbox"/>					p02	brush	Newark	203000	0.50
<input type="checkbox"/>					p03	razor	Duluth	150600	1.00
<input type="checkbox"/>					p04	pen	Duluth	125300	1.00
<input type="checkbox"/>					p05	pencil	Dallas	221400	1.00
<input type="checkbox"/>					p06	folder	Dallas	123100	2.00
<input type="checkbox"/>					p07	case	Newark	100500	1.00
<input type="checkbox"/>					p08	clip	Newark	200600	1.25

☐ Check All With selected: Change Delete Export

Number of rows: 25 Filter rows:

Query results operations

Print view Print view (with full texts) Export Display chart Create view

Show query box

Showing rows 0 - 7 (8 total, Query took 0.0003 seconds.)

`select * from products`

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Number of rows: 25 Filter rows: Search this table

Sort by key: None

+ Options

					pid	name	city	quantity	priceUSD
<input type="checkbox"/>					p01	comb	Dallas	111400	0.50
<input type="checkbox"/>					p02	brush	Newark	203000	0.50
<input type="checkbox"/>					p03	razor	Duluth	150600	1.00
<input type="checkbox"/>					p04	pen	Duluth	125300	1.00
<input type="checkbox"/>					p05	pencil	Dallas	221400	1.00
<input type="checkbox"/>					p06	folder	Dallas	123100	2.00
<input type="checkbox"/>					p07	case	Newark	100500	1.00
<input type="checkbox"/>					p08	clip	Newark	200600	1.25

☐ Check All With selected: Change Delete Export

Number of rows: 25 Filter rows: Search this table

Query results operations

Print view Print view (with full texts) Export Display chart Create view

Showing rows 0 - 13 (14 total, Query took 0.0003 seconds.)

`select * from orders`

[\[Inline \]](#) [\[Edit \]](#) [\[Create PHP Code \]](#)

Number of rows: 25 Filter rows: Search this table

Sort by key: None

+ Options

						ordno	mon	cid	aid	pid	qty	dollars
<input type="checkbox"/>						1011	jan	c001	a01	p01	1000	450.00
<input type="checkbox"/>						1013	jan	c002	a03	p03	1000	880.00
<input type="checkbox"/>						1015	jan	c003	a03	p05	1200	1104.00
<input type="checkbox"/>						1016	jan	c006	a01	p01	1000	500.00
<input type="checkbox"/>						1017	feb	c001	a06	p03	600	540.00
<input type="checkbox"/>						1018	feb	c001	a03	p04	600	540.00
<input type="checkbox"/>						1019	feb	c001	a02	p02	400	180.00
<input type="checkbox"/>						1020	feb	c006	a03	p07	600	600.00
<input type="checkbox"/>						1021	feb	c004	a06	p01	1000	460.00
<input type="checkbox"/>						1022	mar	c001	a05	p06	400	720.00
<input type="checkbox"/>						1023	mar	c001	a04	p05	500	450.00
<input type="checkbox"/>						1024	mar	c006	a06	p01	800	400.00
<input type="checkbox"/>						1025	apr	c001	a05	p07	800	720.00
<input type="checkbox"/>						1026	may	c002	a05	p03	800	740.00

☐ Check All With selected: Change Delete Export

Number of rows: 25 Filter rows: Search this table

Query results operations

Print view Print view (with full texts) Export Display chart Create view

2) According to *w3schools.com*, “the primary key constraint uniquely identifies each record in a database table. Primary keys must contain unique values. A primary key column cannot contain null values. Most tables should have a primary key, and each table can have only one primary key”. According to the website *ProgrammerInterview.com*, “the definition of a superkey is a set of columns in a table for which there are no two rows that will share the same combination of values. So, the superkey is unique for each and every row in the table. A superkey can also be just a single column”. According to the website *techopedia.com*, “a candidate key is a column, or set of columns, in a table that can uniquely identify any database record without referring to any other data. Each table may have one or more candidate keys, but one candidate key is special, and it is called the primary key. This is usually the best among the candidate keys”.

3) According to *w3schools.com* The data type is a label and a guideline for SQL to understand what type of data is expected inside of each column, and it also identifies how SQL will interact with the stored data. That being said some examples of data types are boolean, decimal, integer, etc. A table can be made for anything. For example Marist can have a table for staff to know where students live.

<i>CWID</i>	<i>Last Name</i>	<i>First Name</i>	<i>Commuter</i>	<i>Dorm</i>	<i>Block</i>	<i>room</i>
<i>20057621</i>	<i>Diaz</i>	<i>Juan</i>	<i>no</i>	<i>Gartland</i>	<i>E-19</i>	<i>C</i>

CWID (int, no null)

Last Name (text)

First Name (Text)

Commuter(text)

Dorm (text)

Block (text, int no null)

Room (text)

4) The “first normal form” rule is to define the data items make sure there isn’t any duplicate data groups and lastly create a primary key for each table. This rule is important because this ensures that there is a slim chance of error when calculating data.

The “access rows by content only” rule “states that the user can only retrieve rows by their content, the attribute values that exist in each row” (Database: Principles Programming Performance) This basically means that there isn’t particular order on the rows.

Work cited

"Database." Google Books. Web. 04 Feb. 2016.

https://books.google.com/books?id=MByjBQAAQBAJ&pg=PA36&lpg=PA36&dq=The+“access+rows+by+content+only”+rule&source=bl&ots=B8MbL9orI5&sig=ZkL5WXmCCWwx4xV9pDbCG7cSy1o&hl=en&sa=X&ved=0ahUKEwjjLLKN4N_KAhWGtBoKHU3MDhgQ6AEIHDAA#v=onepage&q=The%20“access%20rows%20by%20content%20only”%20rule&f=false