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| SQL statement | My guess | Actual |
| CREATE TABLE customers ( first\_name VARCHAR(20) NOT NULL, last\_name VARCHAR(20) NOT NULL, phone VARCHAR(20) NOT NULL, street VARCHAR(50), zipcode VARCHAR(5)); | Table called “customers” will be created | [1:1] Executed successfully in 0.047 s.  no rows affected.  Execution finished after 0.345 s, no errors occurred. |
| insert into customers (first\_name, last\_name, phone, street, zipcode) values ('Tom', 'Jewett', '562-555-1122', '123 Mockingbird Lane', '90210'); | Will insert new customer Tom Jewett with the other info included | [1:1] Executed successfully in 0.016 s.  1 row affected.  Execution finished after 0.017 s, no errors occurred. |
| delete from customers where first\_name = 'Tom'; | Will delete Tom along with the associated data | [1:1] Executed successfully in 0.3 s.  1 row affected.  Execution finished after 0.3s, no errors occurred. |
| alter table customers add constraint customers\_pk primary key (first\_name, last\_name, phone); | Will add a primary key constraint. The primary key will be first\_name, last\_name, phone. | [1:1] Executed successfully in 0.694 s.  no rows affected.  Execution finished after 0.725 s, no errors occurred. |
| insert into customers (first\_name, last\_name, phone, street, zipcode) values ('Tom', 'Jewett', '562-555-1122', '123 Mockingbird Lane', '90210'); | Will insert new customer Tom Jewett with the other info included | [1:1] Executed successfully in 0.298 s.  1 row affected.  Execution finished after 0.353 s, no errors occurred. |
| insert into customers (first\_name, last\_name, phone, street, zipcode) values ('Tom', 'Jewett', '562-555-1122', '123 Mockingbird Lane', '90210'); | My guess is that the constraint will prevent this data from taking place because they primary keys are not unique. | [1:1] Failed in 0 s.  [Exception, Error code 30,000, SQLState 23505] The statement was aborted because it would have caused a duplicate key value in a unique or primary key constraint or unique index identified by 'CUSTOMERS\_PK' defined on 'CUSTOMERS'.  Line 2, column 1  Execution finished after 0.344 s, 1 error occurred. |
| alter table customers add constraint customer\_uk01 unique (first\_name,last\_name,phone,street,zipcode); | This will make the customer’s entire key unique | [1:1] Executed successfully in 0.502 s.  no rows affected.  Execution finished after 0.538 s, no errors occurred. |
| insert into customers (first\_name, last\_name, phone, street, zipcode) values ('Tom', 'Jewett', '562-555-1122', '123 Mockingbird Lane', '90210'); | My prediction is that this will cause an error because the key is not unique | [2:1] Failed in 0 s.  [Exception, Error code 30,000, SQLState 23505] The statement was aborted because it would have caused a duplicate key value in a unique or primary key constraint or unique index identified by 'CUSTOMERS\_PK' defined on 'CUSTOMERS'.  Line 2, column 1  Execution finished after 0.345 s, 1 error occurred. |
| alter table customers add constraint customer\_uk02 unique (first\_name,last\_name,phone,street); | Nothing will happen | [1:1] Executed successfully in 0.662 s.  no rows affected.  Execution finished after 0.684 s, no errors occurred. |
| alter table customers add constraint customer\_uk03 unique (first\_name,last\_name,phone,zipcode); | Nothing will happen | [1:1] Executed successfully in 0.496 s.  no rows affected.  Execution finished after 0.526 s, no errors occurred. |
| alter table customers add constraint customer\_uk04 unique (first\_name,last\_name,street,zipcode); | Nothing will happen | [1:1] Executed successfully in 0.492 s.  no rows affected.  Execution finished after 0.521 s, no errors occurred. |
| insert into customers (first\_name, last\_name, phone, street, zipcode) values ('Tom', 'Jewett', '714-888-1212', '123 Mockingbird Lane', '90713'); | Will allow this unique customer to be added | [1:1] Executed successfully in 0.291 s.  1 row affected.  Execution finished after 0.323 s, no errors occurred. |
| insert into customers (first\_name, last\_name, phone, street, zipcode) values ('Tom', 'Jewett', '714-888-7000', '123 Mockingbird Lane', '90210'); | Will fail because the keys are not different from the other unique keys. | [1:1] Failed in 0 s.  [Exception, Error code 30,000, SQLState 23505] The statement was aborted because it would have caused a duplicate key value in a unique or primary key constraint or unique index identified by 'CUSTOMER\_UK04' defined on 'CUSTOMERS'.  Line 2, column 1  Execution finished after 0.339 s, 1 error occurred. |
| alter table customers add constraint customer\_uk05 unique (first\_name,last\_name,street); | Will fail because the keys are not different from the other unique keys. | [1:1] Failed in 0 s.  [Exception, Error code 30,000, SQLState 23505] The statement was aborted because it would have caused a duplicate key value in a unique or primary key constraint or unique index identified by 'SQL200205174236100' defined on 'CUSTOMERS'.  Line 2, column 1  Execution finished after 0.031 s, 1 error occurred. |
| alter table customers add constraint customer\_uk06 unique (first\_name,last\_name); | This will not work because it will create a duplicate and not have a unique value in it’s key. | [1:1] Failed in 0 s.  [Exception, Error code 30,000, SQLState 23505] The statement was aborted because it would have caused a duplicate key value in a unique or primary key constraint or unique index identified by 'SQL200205174338380' defined on 'CUSTOMERS'.  Line 2, column 1  Execution finished after 0.032 s, 1 error occurred. |