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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 | Executed successfully in 0.014 s. no rows affected. Line 1, column 1 Execution finished after 0.091 s, no errors occurred. |
| insert into customers (first\_name, last\_name, phone, street, zipcode) values ('Tom', 'Jewett', '562-555-1122', '123 Mockingbird Lane', '90210'); | Inserts Tom Jewett in ‘customers’ | [8:1] Executed successfully in 0.007 s.  1 row affected.  Execution finished after 0.009 s, no errors occurred. |
| insert into customers (first\_name, last\_name, phone, street, zipcode) values ('Tom', 'Jewett', '562-555-1122', '123 Mockingbird Lane', '90210'); | Inserts a duplicate Tom Jewett due to no constraint being applied to the table | [11:1] Executed successfully in 0.001 s.  1 row affected.  Execution finished after 0.002 s, no errors occurred. |

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| delete from customers where first\_name = 'Tom'; | All ‘Tom” deleted from the customers table | [14:1] Executed successfully in 0.005 s.  2 rows affected.  Execution finished after 0.007 s, no errors occurred. |
| alter table customers add constraint customers\_pk primary key (first\_name, last\_name, phone); | Successfully adds a primary key constraint | [16:1] Executed successfully in 0.009 s.  no rows affected.  Execution finished after 0.011 s, no errors occurred. |
| insert into customers (first\_name, last\_name, phone, street, zipcode) values ('Tom', 'Jewett', '562-555-1122', '123 Mockingbird Lane', '90210'); | Successfully inserts Tom Jewett into customers | [18:1] Executed successfully in 0.003 s.  1 row affected.  Execution finished after 0.005 s, no errors occurred. |
| insert into customers (first\_name, last\_name, phone, street, zipcode) values ('Tom', 'Jewett', '562-555-1122', '123 Mockingbird Lane', '90210'); | Duplication error due to primary key constraint | [20:1] 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 20, column 1  Execution finished after 0.007 s, 1 error occurred. |
| alter table customers add constraint customer\_uk01 unique (first\_name,last\_name,phone,street,zipcode); | Successfully creates another constraint | [22:1] Executed successfully in 0.005 s.  no rows affected.  Execution finished after 0.008 s, 1 error occurred. |
| insert into customers (first\_name, last\_name, phone, street, zipcode) values ('Tom', 'Jewett', '562-555-1122', '123 Mockingbird Lane', '90210'); | Duplication error due to primary key constraint | [24:1] 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 24, column 1  Execution finished after 0.006 s, 2 errors occurred. |
| alter table customers add constraint customer\_uk02 unique (first\_name,last\_name,phone,street); | Successfully creates another constraint | [26:1] Executed successfully in 0.004 s.  no rows affected.  Execution finished after 0.005 s, 2 errors occurred. |
| alter table customers add constraint customer\_uk03 unique (first\_name,last\_name,phone,zipcode); | Successfully creates another constraint | [28:1] Executed successfully in 0.01 s.  no rows affected.  Execution finished after 0.01 s, 2 errors occurred. |
| alter table customers add constraint customer\_uk04 unique (first\_name,last\_name,street,zipcode); | Successfully creates another constraint | [30:1] Executed successfully in 0.004 s.  no rows affected.  Execution finished after 0.006 s, 2 errors occurred |
| insert into customers (first\_name, last\_name, phone, street, zipcode) values ('Tom', 'Jewett', '714-888-1212', '123 Mockingbird Lane', '90713'); | Duplication error | [32:1] Executed successfully in 0.003 s.  1 row affected.  Execution finished after 0.003 s, 2 errors occurred. |
| insert into customers (first\_name, last\_name, phone, street, zipcode) values ('Tom', 'Jewett', '714-888-7000', '123 Mockingbird Lane', '90210'); | Duplication error | [32:1] 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\_UK04' defined on 'CUSTOMERS'.  Line 32, column 1  Execution finished after 0.004 s, 3 errors occurred. |
| alter table customers add constraint customer\_uk05 unique (first\_name,last\_name,street); | Successfully creates another constraint | [36:1] 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 'SQL210209100057440' defined on 'CUSTOMERS'.  Line 36, column 1  Execution finished after 0.005 s, 4 errors occurred. |
| alter table customers add constraint customer\_uk06 unique (first\_name,last\_name); | Duplicate key error | [38:1] 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 'SQL210209100244150' defined on 'CUSTOMERS'.  Line 38, column 1  Execution finished after 0.003 s, 5 errors occurred. |