**Query Examples**

1) Show a count of the largest population

SELECT COUNT(\*)

FROM CUSTOMER;

Result:

200

2) Show a listing of a key entity in the database

SELECT TaxID,Name,Address

FROM COMPANY;

Result:

TaxID Name Address

1097561230 Company Name22 Company Address22

1894763470 Company Name25 Company Address25

1978532260 Company Name9 Company Address9

2734104870 Company Name1 Company Address1

2775573510 Company Name28 Company Address28

2858246300 Company Name21 Company Address21

2918249160 Company Name7 Company Address7

3293761050 Company Name13 Company Address13

3405260250 Company Name15 Company Address15

3867524370 Company Name10 Company Address10

4815984600 Company Name30 Company Address30

5824370600 Company Name18 Company Address18

6139192010 Company Name23 Company Address23

6795490950 Company Name32 Company Address32

6962593290 Company Name8 Company Address8

7162847370 Company Name5 Company Address5

7431193640 Company Name11 Company Address11

7843132380 Company Name19 Company Address19

7884538500 Company Name14 Company Address14

8087865230 Company Name16 Company Address16

8091352410 Company Name12 Company Address12

8166363500 Company Name17 Company Address17

8273673360 Company Name3 Company Address3

8334064770 Company Name29 Company Address29

8520662050 Company Name26 Company Address26

9003695350 Company Name24 Company Address24

9134773970 Company Name27 Company Address27

9137320750 Company Name31 Company Address31

9757000650 Company Name20 Company Address20

9858154320 Company Name6 Company Address6

9897771970 Company Name4 Company Address4

9919249060 Company Name2 Company Address2

3) Show what group of objects must function together

SELECT FOREMAN.SSN AS Foreman\_SSN, MECHANIC.SSN AS Mechanic\_SSN,

FOREMAN.LicenseNumber AS Foreman\_LicenseNumber,

MECHANIC.LicenseNumber AS Mechanic\_LicenseNumber,

DateOfLastTraining, InsuranceID

FROM (FOREMAN JOIN MECHANIC ON

MECHANIC.SupervisorSSN=FOREMAN.SSN);

Result:

Foreman\_SSN Mechanic\_SSN Foreman\_ Mechanic\_ DateOfLast InsuranceID

LicenseNumber LicenseNumber Training

854244840 120811922 78406830 34121173 1997-10-07 2528033260

703255737 176486304 55511232 77548230 2006-03-19 6555913460

925153566 189185380 11687034 50281387 2010-10-18 8157133080

273021537 231006079 37848633 13127392 2017-03-01 6064701200

673163724 290218495 98161042 13322228 2014-09-24 2836352800

150488723 326779865 96659155 70174344 2002-10-03 6556803120

722351693 328136370 45199858 92289626 2009-08-06 9137211350

605256272 332343413 69546202 96087667 2012-12-28 5874681000

669227933 421488082 78351311 51001177 1998-05-22 7215095610

912850605 434857267 13615990 26723635 2004-10-14 5741550250

529889742 465477019 13930833 16165722 2018-01-27 2646234690

978087259 499918933 96529527 59586580 2003-12-24 7699489230

414044558 500137736 92168198 87207127 1999-06-01 5982915020

235464040 539330590 20133735 51349028 2009-12-12 1898129870

530003003 542945982 10661845 12942304 2005-08-10 9608159660

710024568 619238533 77429672 45769016 2014-01-21 9794992210

232800727 643819685 38435015 79841799 2003-07-22 8996740730

906351298 647743586 24734078 47425251 2014-03-24 8291365200

857250586 710311186 34120986 65849990 2001-06-03 8652113390

468359794 737486728 90774027 72882671 1997-08-26 1700715100

916213084 737684984 71310454 87539898 2000-02-14 2280253030

558237634 746010552 61096504 25333455 2002-04-09 4090069230

822228791 752134963 76589326 89181616 2015-12-04 4497591540

543442666 752138288 11920268 60222402 2015-07-18 5335311290

973306041 754579143 74757193 70985539 2003-02-24 8663793260

4) Show the cost of an occurrence, which should be derived using aggregate functions

SELECT SUM(TotalCost)

FROM TRIP

WHERE Company\_TaxID=1097561230

Result:

1437.454605102539

5) Show a schedule for multiple occurrences, sorted by date and time.

SELECT FOREMAN.SSN, LicenseNumber, DateOfLastTraining,DateOfHire

FROM FOREMAN, EMPLOYEE

WHERE EMPLOYEE.SSN=FOREMAN.SSN

ORDER BY EMPLOYEE.DateOfHire, FOREMAN.DateOfLastTraining

Result:

SSN LicenseNumber DateOfLastTraining DateOfHire

543442666 11920268 2015-07-18 1904-08-16

912850605 13615990 2004-10-14 1907-06-27

710024568 77429672 2014-01-21 1911-10-04

857250586 34120986 2001-06-03 1915-06-18

601316701 90163987 2002-03-08 1916-04-17

558237634 61096504 2002-04-09 1921-11-09

669227933 78351311 1998-05-22 1926-09-27

530003003 10661845 2005-08-10 1928-04-02

461474570 84897668 2017-05-01 1929-08-22

468359794 90774027 1997-08-26 1931-04-14

529889742 13930833 2018-01-27 1936-09-08

414044558 92168198 1999-06-01 1939-05-02

906351298 24734078 2014-03-24 1941-08-03

722351693 45199858 2009-08-06 1943-06-16

673163724 98161042 2014-09-24 1945-01-04

273021537 37848633 2017-03-01 1947-08-10

854244840 78406830 1997-10-07 1958-01-06

916213084 71310454 2000-02-14 1959-12-10

723903127 80163499 1999-01-09 1964-05-25

978087259 96529527 2003-12-24 1973-08-22

220314329 70208661 2017-08-15 1975-04-08

605256272 69546202 2012-12-28 1977-01-26

437172115 50190376 2002-10-04 1984-04-01

822228791 76589326 2015-12-04 1993-09-07

768457441 81570650 2018-10-14 1996-03-26