

NAME:DANIEL SHIKUKU

QUESTION 1

EXPLAIN WHAT IS SQL HOW IS IT USEFUL

SQL is a standardized programming language used to manage relational databases and perform various operations on the data in them.

QUESTION 2

Subcounty_population_density

- **Create database for subcounty_population_density**

```
create database subcounty_population_density;  
use subcounty_population_density;
```

- **Write a statement to create table subcounty_population_density**

```
CREATE TABLE subcounty_population_density (  
    id INT NOT NULL AUTO_INCREMENT PRIMARY  
    KEY, county_name VARCHAR(250) NOT NULL,  
    subcounty_name VARCHAR(500) NOT NULL,  
    total INT,  
    male INT,  
    female INT,  
    square_kms INT,  
    pop_density INT  
);
```

- **Write statement to insert values in table subcounty_population_density**

```
INSERT INTO subcounty_population_density (  
    county_name, subcounty_name, total, male, female, square_kms, pop_density  
) VALUES  
("Mombasa", "CHANGAMWE", 131882, 68761, 63121, 18, 7457), ("Mombasa",  
"JOMVU", 163415, 83002, 80410, 37, 4432),  
("Mombasa", "KISAUNI", 291930, 146748, 145176, 88, 3328),  
("Mombasa", "LIKONI", 250358, 126962, 123392, 40, 6187),  
("Mombasa", "MVITA", 154171, 75565, 78601, 15, 10543),  
("Mombasa", "NYALI", 216577, 109219, 107346, 23, 9610),  
("Kwale", "KINANGO", 94220, 45413, 48806, 1612, 58),  
("Kwale", "LUNGA LUNGA", 198423, 97174, 101245, 2765, 72),  
("Kwale", "MATUGA", 194252, 95831, 98419, 1034, 188),  
("Kwale", "MSAMBWENI", 177690, 89206, 88480, 412, 432),  
("Kwale", "SAMBURU", 202235, 97497, 104731, 2430, 83),
```

("Kilifi", "CHONYI", 62335, 29527, 32807, 193, 324),
("Kilifi", "GANZE", 143906, 66921, 76981, 3218, 45),
("Kilifi", "KALOLENI", 193682, 92614, 101063, 706, 274),
("Kilifi", "KAUMA", 22638, 10965, 11673, 181, 125),
("Kilifi", "KILIFI NORTH", 178824, 86986, 91836, 264, 676),
("Kilifi", "KILIFI SOUTH", 206753, 101852, 104897, 290, 712),
("Kilifi", "MAGARINI", 191610, 93302, 98308, 5229, 37),
("Kilifi", "MALINDI", 333226, 163351, 169866, 2263, 147),
("Kilifi", "RABAI", 120813, 58571, 62242, 208, 581),
("Tana River", "TANA DELTA", 110640, 55716, 54924, 15432, 7),
("Tana River", "TANA NORTH", 116757, 59123, 57632, 13305, 9),
("Tana River", "TANA RIVER", 88546, 43711, 44835, 9167, 10),
("Lamu", "LAMU EAST", 22258, 11675, 10583, 2338, 10),
("Lamu", "LAMU WEST", 121662, 64428, 57230, 3945, 31),
("Taita Taveta", "MWATATE", 81659, 41426, 40231, 2723, 30),
("Taita Taveta", "TAITA", 55959, 28386, 27573, 478, 117),
("Taita Taveta", "TAVETA", 91222, 47410, 43812, 6399, 14),
("Taita Taveta", "VOI", 111831, 56115, 55711, 7553, 15),
("Garissa", "BALAMBALA", 32257, 20277, 11979, 3684, 9),
("Garissa", "DADAAB", 185252, 99059, 86185, 6415, 29),
("Garissa", "FAFI", 134040, 72617, 61413, 15050, 9),
("Garissa", "GARISSA", 163914, 83460, 80449, 3318, 49),
("Garissa", "HULUGHO", 133984, 78081, 55898, 7737, 17),
("Garissa", "IJARA", 141591, 80458, 61129, 2453, 58),
("Garissa", "LAGDERA", 50315, 25023, 25291, 6096, 8),
("Wajir", "BUNA", 49886, 26796, 23088, 3888, 13),
("Wajir", "ELDAS", 89104, 45028, 44069, 4492, 20),
("Wajir", "HABASWEIN", 174134, 94613, 79505, 10912, 16), ("Wajir", "TARBAJ",
56637, 26856, 29776, 9608, 6),
("Wajir", "WAJIR EAST", 110654, 59359, 51292, 4053, 27),
("Wajir", "WAJIR NORTH", 62206, 31990, 30209, 4042, 15),
("Wajir", "WAJIR SOUTH", 116814, 64947, 51864, 10734, 11),
("Wajir", "WAJIR WEST", 121828, 65785, 56037, 9044, 13),
("Mandera", "MANDERA WEST", 98300, 48166, 50130, 4018, 24),
("Mandera", "BANISA", 152598, 78301, 74288, 3944, 39),
("Mandera", "KOTULO", 72394, 35799, 36593, 2509, 29),
("Mandera", "LAFEY", 83457, 40476, 42976, 3795, 22),
("Mandera", "MANDERACENTRAL", 157220, 71688, 85527, 4032, 39),
("Mandera", "MANDERA EAST", 159638, 83538, 76095, 2506, 64),
("Mandera", "MANDERA NORTH", 143850, 77008, 66835, 5138, 28),
("Marsabit", "LOIYANGALANI", 35713, 17659, 18051, 11789, 3),
("Marsabit", "MARSABITCENTRAL", 79181, 40956, 38214, 2143, 37),
("Marsabit", "MARSABIT NORTH", 54297, 30091, 24205, 19837, 3),
("Marsabit", "MARSABIT SOUTH", 65376, 33215, 32161, 8447, 8),

("Marsabit", "MOYALE", 108949, 56440, 52508, 3327, 33),
("Marsabit", "NORTH HERR", 71447, 41719, 29726, 19337, 4),
("Marsabit", "SOLOLO", 44822, 23468, 21354, 6064, 7),
("Isiolo", "GARBATULLA", 99730, 54661, 45068, 9902, 10),
("Isiolo", "ISIOLO", 121066, 60414, 60647, 2691, 45),
("Isiolo", "MERTI", 47206, 24435, 22768, 12756, 4),
("Meru", "BUURI EAST", 76598, 38101, 38497, 333, 230),
("Meru", "BUURI WEST", 80762, 40496, 40264, 639, 126),
("Meru", "IGEMBE CENTRAL", 221412, 111208, 110200, 603, 367),
("Meru", "IGEMBE NORTH", 169317, 83364, 85949, 1113, 152),
("Meru", "IGEMBE SOUTH", 161646, 80192, 81446, 255, 633),
("Meru", "IMENTI NORTH", 177567, 88506, 89056, 232, 767),
("Meru", "IMENTI SOUTH", 206506, 103338, 103162, 418, 494),
("Meru", "MERU CENTRAL", 133818, 66920, 66894, 377, 355),
("Meru", "TIGANIA CENTRAL", 104730, 51814, 52916, 237, 441),
("Meru", "TIGANIA EAST", 72549, 35352, 37194, 511, 142),
("Meru", "TIGANIA WEST", 139961, 67715, 72241, 399, 351),
("Meru", "MERU NATIONAL PARK", 385, 283, 102, 838, NULL),
("Meru", "MT. KENYA FOREST", 463, 409, 54, 1060, NULL),
("Tharaka Nithi", "THARAKANITHI", 393177, 193764, 199406, 2564, 153),
("Tharaka Nithi", "IGAMBANG'OMBE", 53210, 26464, 26745, 323, 165),
("Tharaka Nithi", "MAARA", 114894, 57689, 57205, 266, 431),
("Tharaka Nithi", "MERU SOUTH", 91080, 44923, 46155, 139, 656),
("Tharaka Nithi", "THARAKA NORTH", 58345, 28290, 30053, 839, 70),
("Tharaka Nithi", "THARAKA SOUTH", 75250, 36190, 39058, 637, 118),
("Tharaka Nithi", "MOUNT KENYA FOREST", 398, 208, 190, 360, 1),
("Embu", "EMBU EAST", 129564, 64571, 64991, 253, 512),
("Embu", "EMBU NORTH", 79556, 39665, 39888, 111, 719),
("Embu", "EMBU WEST", 127100, 63125, 63966, 158, 804),
("Embu", "MBEERE SOUTH", 163476, 83311, 80159, 1312, 125),
("Embu", "MBEERE NORTH", 108881, 53517, 55360, 784, 139),
("Embu", "MOUNT KENYA FOREST", 22, 19, 3, 203, NULL), ("Kitui",
"IKUTHA", 82964, 39986, 42976, 9033, 9),
("Kitui", "KATULANI", 47108, 23150, 23957, 324, 146),
("Kitui", "KISASI", 46142, 22646, 23496, 295, 157),
("Kitui", "KITUI CENTRAL", 105991, 52123, 53863, 422, 251),
("Kitui", "KITUI WEST", 70871, 33887, 36983, 416, 170),
("Kitui", "KYUSO", 76867, 36789, 40077, 2525, 30),
("Kitui", "LOWER YATTA", 63329, 31701, 31628, 1191, 53),
("Kitui", "MATINYANI", 47811, 23362, 24448, 264, 181),
("Kitui", "MIGWANI", 79255, 37525, 41726, 635, 125),
("Kitui", "MUMONI", 29344, 13748, 15596, 611, 48),
("Kitui", "MUTITU", 55287, 26388, 28896, 4710, 12),
("Kitui", "MUTITU NORTH", 21215, 10337, 10877, 548, 39),

("Kitui", "MUTOMO", 113356, 54819, 58531, 2853, 40),
("Kitui", "MWINGI CENTRAL", 108713, 52539, 56174, 1146, 95),
("Kitui", "MWINGI EAST", 85139, 40314, 44820, 3418, 25),
("Kitui", "NZAMBANI", 46788, 22929, 23857, 320, 146), ("Kitui", "THAGICU",
15136, 7141, 7994, 363, 42),
("Kitui", "TSEIKURU", 40871, 19619, 21252, 1356, 30),
("Machakos", "ATHI RIVER", 322499, 164322, 158172, 835, 386),
("Machakos", "KALAMA", 54462, 26764, 27692, 480, 113),
("Machakos", "KANGUNDO", 97917, 48697, 49219, 173, 565),
("Machakos", "KATHIANI", 111890, 54910, 56976, 204, 548),
("Machakos", "MACHAKOS", 170606, 85486, 85114, 280, 609),
("Machakos", "MASINGA", 148522, 73519, 75001, 1407, 106),
("Machakos", "MATUNGULU", 161557, 81145, 80407, 581, 278),
("Machakos", "MWALA", 181896, 90427, 91466, 1013, 179),
("Machakos", "YATTA", 172583, 85437, 87144, 1062, 162),
("Makueni", "KATHONZWENI", 79780, 39335, 40442, 881, 91),
("Makueni", "KIBWEZI", 197000, 98477, 98517, 3137, 63),
("Makueni", "KILUNGU", 60952, 29019, 31932, 154, 395),
("Makueni", "MAKINDU", 84946, 42204, 42742, 852, 100),
("Makueni", "MAKUENI", 130375, 65418, 64955, 609, 214),
("Makueni", "MBOONI EAST", 97756, 48152, 49601, 693, 141),
("Makueni", "MBOONI WEST", 102594, 49434, 53159, 271, 379),
("Makueni", "MUKAA", 107549, 54481, 53068, 804, 134),
("Makueni", "NZAUI", 126701, 63171, 63526, 775, 163),
("Nyandarua", "KINANGOP", 111410, 54727, 56679, 294, 379),
("Nyandarua", "NYANDARUASOUTH", 93870, 46157, 47708, 314, 299),
("Nyandarua", "MIRANGINE", 67214, 33447, 33766, 246, 274),
("Nyandarua", "KIPIPIRI", 93855, 46113, 47740, 456, 206),
("Nyandarua", "NYANDARUACENTRAL", 75262, 37329, 37931, 347, 217),
("Nyandarua", "NYANDARUAWEST", 97965, 48752, 49209, 385, 255),
("Nyandarua", "NYANDARUANORTH", 98698, 48486, 50210, 528, 187),
("Nyandarua", "ABERDARE NATIONAL PARK", 15, 11, 4, 717, NULL),
("Nyeri", "TETU", 80453, 39293, 41155, 217, 372),
("Nyeri", "KIENI EAST", 110376, 55360, 55012, 449, 246),
("Nyeri", "KIENI WEST", 88525, 43843, 44677, 518, 171),
("Nyeri", "MATHIRA EAST", 99065, 48070, 50992, 130, 760),
("Nyeri", "MATHIRA WEST", 59895, 29480, 30412, 162, 369),
("Nyeri", "NYERI SOUTH", 91081, 44115, 46964, 169, 538),
("Nyeri", "MUKURWEINI", 89137, 43975, 45156, 179, 498),
("Nyeri", "NYERI CENTRAL", 140338, 69955, 70380, 168, 837),
("Nyeri", "MT. KENYA FOREST", 188, 123, 65, 611, NULL),
("Nyeri", "ABERDARE FOREST", 106, 74, 32, 722, NULL),
("Kirinyaga", "KIRINYAGACENTRAL", 122740, 60118, 62617, 153, 800),
("Kirinyaga", "KIRINYAGA EAST", 135559, 67037, 68514, 232, 585),

("Kirinyaga", "KIRINYAGA WEST", 114660, 56154, 58502, 208, 552),
("Kirinyaga", "MWEA EAST", 132554, 66432, 66114, 303, 437),
("Kirinyaga", "MWEA WEST", 104828, 52228, 52594, 239, 438),
("Kirinyaga", "MOUNT KENYA FOREST", 70, 42, 28, 343, NULL),
("Murang'a", "MURANG'A EAST", 110311, 54665, 55645, 241, 458),
("Murang'a", "KANGEMA", 80447, 39582, 40862, 174, 463),
("Murang'a", "MATHIOYA", 92814, 45454, 47359, 178, 523),
("Murang'a", "KAHURO", 88193, 43352, 44834, 169, 521),
("Murang'a", "MURANG'A SOUTH", 184824, 91732, 93087, 457, 405),
("Murang'a", "GATANGA", 187989, 94437, 93548, 531, 354),
("Murang'a", "KIGUMO", 136921, 67989, 68929, 244, 561),
("Murang'a", "KANDARA", 175098, 86698, 88393, 235, 746),
("Murang'a", "ABERDARE FOREST", 43, 31, 12, 295, NULL),
("Kiambu", "GATUNDU NORTH", 109870, 54189, 55678, 286, 384),
("Kiambu", "GATUNDU SOUTH", 122103, 60384, 61714, 194, 631),
("Kiambu", "GITHUNGURI", 165232, 82037, 83187, 174, 948),
("Kiambu", "JUJA", 300948, 148446, 152480, 342, 880),
("Kiambu", "KABETE", 199653, 97794, 101845, 61, 3289),
("Kiambu", "KIAMBAA", 236400, 115690, 120695, 91, 2595),
("Kiambu", "KIAMBU", 145903, 69661, 76225, 98, 1483),
("Kiambu", "KIKUYU", 187122, 90919, 96198, 173, 1082),
("Kiambu", "LARI", 135303, 67061, 68238, 432, 313),
("Kiambu", "LIMURU", 159314, 79632, 79682, 285, 559),
("Kiambu", "RUIRU", 371111, 180947, 190144, 201, 1846),
("Kiambu", "THIKA EAST", 38956, 19688, 19264, 110, 354),
("Kiambu", "THIKA WEST", 245820, 120698, 125104, 91, 2689),
("Turkana", "KIBISH", 36769, 18651, 18117, 10466, 4),
("Turkana", "LOIMA", 107795, 54341, 53453, 9120, 12),
("Turkana", "TURKANACENTRAL", 185305, 93145, 92160, 6415, 29),
("Turkana", "TURKANA EAST", 138526, 76871, 61643, 11396, 12), ("Turkana",
"TURKANA NORTH", 65218, 32810, 32408, 7012, 9),
("Turkana", "TURKANA SOUTH", 153736, 78402, 75329, 7045, 22),
("Turkana", "TURKANA WEST", 239627, 123867, 115758, 16779, 14),
("West Pokot", "KIPKOMO", 102633, 50923, 51703, 766, 134),
("West Pokot", "POKOT CENTRAL", 119016, 59682, 59331, 2055, 58),
("West Pokot", "POKOT NORTH", 134485, 64780, 69702, 3911, 34),
("West Pokot", "POKOT SOUTH", 80661, 39808, 40851, 537, 150),
("West Pokot", "WEST POKOT", 184446, 91820, 92626, 1855, 99),
("Samburu", "SAMBURUCENTRAL", 164942, 83633, 81307, 3699, 45),
("Samburu", "SAMBURU EAST", 77994, 38211, 39782, 10016, 8),
("Samburu", "SAMBURU NORTH", 67391, 34930, 32457, 7375, 9),
("Trans Nzoia", "TRANS NZOIA WEST", 202377, 101198, 101174, 355, 569),
("Trans Nzoia", "TRANS NZOIA EAST", 229538, 113498, 116029, 629, 365),
("Trans Nzoia", "KWANZA", 203821, 100234, 103584, 465, 438),

("Trans Nzoia", "ENDEBESS", 111782, 56090, 55689, 678, 165),
("Trans Nzoia", "KIMININI", 242823, 118087, 124730, 367, 662),
("Uasin Gishu", "AINABKOI", 138184, 68348, 69835, 483, 286),
("Uasin Gishu", "KAPSERET", 198499, 99650, 98845, 299, 663),
("Uasin Gishu", "KESSES", 148798, 74301, 74493, 748, 199),
("Uasin Gishu", "MOIBEN", 181338, 90309, 91027, 770, 236),
("Uasin Gishu", "SOY", 229094, 114082, 115007, 668, 343),
("Uasin Gishu", "TURBO", 267273, 133579, 133682, 431, 620),
("Elgeyo Marakwet", "KEIYO NORTH", 99176, 49601, 49574, 543, 183),
("Elgeyo Marakwet", "KEIYO SOUTH", 120750, 60919, 59827, 898, 134),
("Elgeyo Marakwet", "MARAKWET EAST", 97041, 47849, 49190, 853, 114),
("Elgeyo Marakwet", "MARAKWET WEST", 137513, 68948, 68560, 738, 186),
("Nandi", "CHESUMEI", 164133, 80949, 83180, 475, 346),
("Nandi", "NANDI CENTRAL", 147553, 73291, 74255, 362, 407),
("Nandi", "NANDI EAST", 119173, 59899, 59271, 392, 304),
("Nandi", "NANDI NORTH", 166171, 82512, 83656, 606, 274),
("Nandi", "NANDI SOUTH", 172750, 85718, 87029, 457, 378),
("Nandi", "TINDERET", 115931, 58890, 57039, 557, 208),
("Baringo", "BARINGO CENTRAL", 96951, 48120, 48829, 786, 123),
("Baringo", "BARINGO NORTH", 104871, 52369, 52500, 1629, 64),
("Baringo", "EAST POKOT", 79923, 40462, 39459, 2500, 32),
("Baringo", "KOIBATEK", 129535, 65295, 64238, 939, 138),
("Baringo", "MARIGAT", 90955, 45706, 45246, 1405, 65),
("Baringo", "MOGOTIO", 91104, 46014, 45088, 1375, 66),
("Baringo", "TIATY EAST", 73424, 38356, 35068, 2163, 34),
("Baringo", "LAKE BARINGO", NULL, NULL, NULL, 186, NULL),
("Laikipia", "LAIKIPIA CENTRAL", 95594, 47888, 47705, 1233, 78),
("Laikipia", "LAIKIPIA EAST", 102815, 52078, 50732, 1539, 67),
("Laikipia", "LAIKIPIA NORTH", 36184, 18067, 18116, 2550, 14),
("Laikipia", "LAIKIPIA WEST", 129263, 65158, 64102, 3372, 38),
("Laikipia", "NYAHURURU", 154704, 76249, 78447, 813, 190),
("Nakuru", "GILGIL", 185209, 92955, 92247, 1075, 172),
("Nakuru", "KURESOI NORTH", 175074, 87472, 87599, 618, 283),
("Nakuru", "KURESOI SOUTH", 155324, 78204, 77117, 591, 263),
("Nakuru", "MOLO", 156732, 78129, 78598, 483, 324),
("Nakuru", "NAIVASHA", 355383, 179222, 176132, 1958, 181),
("Nakuru", "NAKURU EAST", 193926, 92956, 100960, 231, 840),
("Nakuru", "NAKURU NORTH", 218050, 106155, 111880, 387, 563),
("Nakuru", "NAKURU WEST", 198661, 101797, 96854, 72, 2764),
("Nakuru", "NJORO", 238773, 118361, 120408, 699, 341),
("Nakuru", "RONGAI", 199906, 99976, 99922, 988, 202),
("Nakuru", "SUBUKIA", 85164, 42045, 43118, 402, 212),
("Narok", "NAROK EAST", 115323, 58699, 56617, 2042, 56),

("Narok", "NAROK NORTH", 251862, 128024, 123829, 2159, 117),
("Narok", "NAROK SOUTH", 238472, 118441, 120029, 4577, 52),
("Narok", "NAROK WEST", 195287, 97085, 98198, 5563, 35),
("Narok", "TRANS MARA EAST", 111183, 54545, 56637, 310, 359),
("Narok", "TRANS MARA WEST", 245714, 122220, 123491, 2546, 97),
("Narok", "MAU FOREST", 32, 28, 4, 734, NULL),
("Kajiado", "ISINYA", 210473, 105607, 104860, 1072, 196),
("Kajiado", "KAJIADO CENTRAL", 161862, 81514, 80343, 4239, 38),
("Kajiado", "KAJIADO NORTH", 306596, 150675, 155908, 111, 2773),
("Kajiado", "KAJIADO WEST", 182849, 91607, 91237, 7862, 23),
("Kajiado", "LOITOKITOK", 191846, 94613, 97225, 6337, 30),
("Kajiado", "MASHUURU", 64214, 33082, 31131, 2251, 29), ("Kericho", "BELGUT",
145072, 72508, 72564, 264, 549),
("Kericho", "BURETI", 199470, 98823, 100642, 321, 622),
("Kericho", "KERICHO EAST", 170625, 86671, 83947, 241, 709),
("Kericho", "KIPKELION", 122530, 61066, 61460, 350, 350),
("Kericho", "LONDIANI", 137580, 68570, 69000, 400, 344),
("Kericho", "SOIN SIGOWET", 126500, 63103, 63395, 466, 271), ("Kericho", "MAU
FOREST", NULL, NULL, NULL, 201, NULL),
("Kericho", "TINDERET FOREST", NULL, NULL, NULL, NULL, NULL),
("Bomet", "BOMET EAST", 144275, 71095, 73172, 305, 473),
("Bomet", "CHEPALUNGU", 164837, 79921, 84912, 461, 358),
("Bomet", "KONONIN", 163507, 83120, 80384, 393, 417),
("Bomet", "SOTIK", 227855, 112369, 115482, 544, 419),
("Bomet", "BOMET CENTRAL", 175215, 87782, 87429, 286, 613),
("Bomet", "MAU FOREST", NULL, NULL, NULL, 519, NULL),
("Kakamega", "BUTERE", 154100, 73634, 80463, 210, 734),
("Kakamega", "KAKAMEGA CENTRAL", 188212, 92774, 95432, 155, 1212),
("Kakamega", "KAKAMEGA EAST", 167641, 80853, 86784, 417, 402),
("Kakamega", "KAKAMEGA NORTH", 238330, 115511, 122814, 421, 566),
("Kakamega", "KAKAMEGA SOUTH", 111743, 53219, 58524, 146, 764),
("Kakamega", "KHWISERO", 113476, 53670, 59803, 146, 779),
("Kakamega", "LIKUYANI", 152055, 73710, 78341, 316, 481),
("Kakamega", "LUGARI", 122728, 59135, 63593, 254, 483),
("Kakamega", "MATETE", 66172, 31749, 34423, 103, 644),
("Kakamega", "MATUNGU", 166940, 78793, 88143, 276, 606),
("Kakamega", "MUMIAS EAST", 116851, 55895, 60953, 150, 778),
("Kakamega", "MUMIAS WEST", 115354, 54915, 60438, 163, 706),
("Kakamega", "NAVAKHOLO", 153977, 73275, 80695, 259, 594),
("Vihiga", "EMUHAYA", 97141, 46507, 50633, 89, 1091),
("Vihiga", "VIHIGA", 95292, 45788, 49501, 90, 1058),
("Vihiga", "SABATIA", 131628, 62944, 68683, 111, 1181),
("Vihiga", "LUANDA", 106694, 51525, 55165, 84, 1265),
("Vihiga", "HAMISI", 159241, 76901, 82337, 157, 1013),

("Vihiga", "KAKAMEGA FOREST", 17, 13, 4, 32, 1),
("Bungoma", "BUMULA", 215892, 103368, 112523, 345, 625),
("Bungoma", "BUNGOMACENTRAL", 177748, 86302, 91438, 233, 764),
("Bungoma", "BUNGOMA EAST", 114548, 55775, 58771, 163, 702),
("Bungoma", "BUNGOMA NORTH", 121317, 58790, 62526, 192, 633),
("Bungoma", "BUNGOMA SOUTH", 287765, 139705, 148055, 321, 896),
("Bungoma", "CHEPTAIS", 136035, 67717, 68312, 223, 610),
("Bungoma", "KIMILILI", 162038, 78560, 83475, 180, 902),
("Bungoma", "MT ELGON", 78873, 38977, 39893, 126, 624),
("Bungoma", "BUNGOMA WEST", 119875, 58225, 61649, 211, 568),
("Bungoma", "TONGAREN", 100343, 48685, 51657, 185, 542),
("Bungoma", "WEBUYE WEST", 152515, 74180, 78331, 239, 638),
("Bungoma", "MT ELGON FOREST", 3621, 1862, 1759, 606, 6),
("Busia", "BUNYALA", 85977, 41465, 44511, 192, 447), ("Busia", "BUSIA",
142408, 69034, 73373, 196, 727),
("Busia", "BUTULA", 140334, 65136, 75195, 247, 568),
("Busia", "NAMBALE", 111636, 52900, 58732, 238, 469),
("Busia", "SAMIA", 107176, 50821, 56341, 262, 408),
("Busia", "TESO NORTH", 138034, 66412, 71619, 261, 529),
("Busia", "TESO SOUTH", 168116, 80484, 87630, 303, 555),
("Siaya", "SIAYA", 224343, 105906, 118433, 599, 375),
("Siaya", "GEM", 179792, 85696, 94092, 405, 444),
("Siaya", "UGENYA", 134354, 62624, 71726, 324, 415),
("Siaya", "UGUNJA", 104241, 48912, 55329, 201, 519),
("Siaya", "BONDO", 197883, 95962, 101917, 599, 330),
("Siaya", "RARIEDA", 152570, 72569, 79999, 402, 379),
("Kisumu", "KISUMU EAST", 220997, 108304, 112689, 142, 1560),
("Kisumu", "KISUMU CENTRAL", 174145, 84155, 89985, 37, 4737), ("Kisumu",
"KISUMU WEST", 172821, 85697, 87121, 209, 827),
("Kisumu", "SEME", 121667, 57658, 64007, 268, 454),
("Kisumu", "MUHORONI", 154116, 76770, 77345, 658, 234),
("Kisumu", "NYANDO", 161508, 77121, 84380, 446, 362),
("Kisumu", "NYAKACH", 150320, 71237, 79082, 327, 460),
("Homa Bay", "HOMA BAY", 117439, 55756, 61681, 182, 645),
("Homa Bay", "NDHIWA", 218136, 103706, 114422, 713, 306),
("Homa Bay", "RACHUONYONORTH", 178686, 85409, 93273, 435, 410), ("Homa Bay",
"RACHUONYOEAST", 121822, 57709, 64111, 251, 486),
("Homa Bay", "RACHUONYOSOUTH", 130814, 61663, 69151, 256, 511),
("Homa Bay", "RANGWE", 117732, 55404, 62325, 274, 429),
("Homa Bay", "SUBA NORTH", 124938, 60530, 64406, 406, 307),
("Homa Bay", "SUBA SOUTH", 122383, 59383, 62998, 634, 193),
("Migori", "AWENDO", 117290, 56348, 60939, 255, 459),
("Migori", "KURIA EAST", 96872, 46969, 49894, 188, 516),
("Migori", "KURIA WEST", 208513, 101090, 107417, 396, 527),

("Migori", "NYATIKE", 176162, 83989, 92164, 677, 260),
("Migori", "RONGO", 124587, 59257, 65329, 213, 584),
("Migori", "SUNA EAST", 122674, 58977, 63694, 205, 598),
("Migori", "SUNA WEST", 128890, 61430, 67459, 288, 448),
("Migori", "URIRI", 141448, 68127, 73318, 392, 361),
("Kisii", "ETAGO", 83787, 40137, 43647, 108, 773),
("Kisii", "GUCHA", 83740, 39631, 44108, 82, 1020),
("Kisii", "GUCHA SOUTH", 83623, 40022, 43598, 95, 878),
("Kisii", "KENYENYA", 131740, 62859, 68878, 142, 930),
("Kisii", "KISII CENTRAL", 166906, 81330, 85573, 136, 1229),
("Kisii", "KISII SOUTH", 135134, 64514, 70615, 128, 1054),
("Kisii", "KITUTU CENTRAL", 154175, 74608, 79561, 100, 1537),
("Kisii", "MARANI", 107464, 50598, 56864, 128, 837),
("Kisii", "MASABA SOUTH", 122396, 58143, 64248, 161, 759),
("Kisii", "NYAMACHE", 130898, 62113, 68782, 163, 805),
("Kisii", "SAMETA", 66997, 31829, 35164, 79, 847),
("Nyamira", "BORABU", 73167, 36736, 36431, 247, 296),
("Nyamira", "MANGA", 94209, 44868, 49339, 111, 845),
("Nyamira", "MASABA NORTH", 111860, 52884, 58974, 142, 789),
("Nyamira", "NYAMIRA NORTH", 167267, 80314, 86947, 216, 775),
("Nyamira", "NYAMIRA SOUTH", 159073, 76105, 82965, 182, 876),
("Nairobi", "DAGORETTI", 434208, 217651, 216526, 29, 14908),
("Nairobi", "EMBAKASI", 988808, 492476, 496270, 86, 11460),
("Nairobi", "KAMUKUNJI", 268276, 136670, 131599, 11, 25455),
("Nairobi", "KASARANI", 780656, 381234, 399385, 86, 9063),
("Nairobi", "KIBRA", 185777, 94199, 91569, 12, 15311),
("Nairobi", "LANG'ATA", 197489, 96698, 100774, 217, 911),
("Nairobi", "MAKADARA", 189536, 96369, 93157, 12, 16150),
("Nairobi", "MATHARE", 206564, 106522, 100028, 3, 68940),
("Nairobi", "NJIRU", 626482, 307642, 318809, 130, 4821),
("Nairobi", "STAREHE", 210423, 109173, 101238, 21, 10205),
("Nairobi", "WESTLANDS", 308854, 153818, 155021, 98, 3167);

- **Write a SQL statement to display specific columns; the county_name, subcounty_name, total, square_kms and population_density for all records**

```
select county_name,subcounty_name,total,square_kms,pop_density from  
subcounty_population_density;
```

```
SELECT * FROM subcounty_population_density;
```

- **Write an SQL statement to display the county_name, subcounty_name, total, male, female sorted by female subcounty. Subcounty with highest female population on top**

```
select county_name,subcounty_name,total,male,female from
subcounty_population_density order by female desc;
```

- **Write an SQL statement query to calculate total population of all subcounties(USE SQL aggregate functions)**

```
select sum(total)
from subcounty_population_density;
```

- **Write an SQL query that retrieves the county_name, the average population density of the subcounties. Order by the retrieved results by county_name first and then population density descending(Group by aggregate function)**

```
select county_name,pop_density from
subcounty_population_density order by
county_name,pop_density desc;
```

- **Write an SQL query to retrieve rows where the subcounty is in Nyandarua county. Notice some of these subcounties have typing mistakes. Update the names of the subcounties without typing mistakes**

```
SELECT county_name,subcounty_name from
subcounty_population_density where
county_name = "Nyandarua";
```

```
UPDATE subcounty_population_density set
subcounty_name = "NYANDARUA SOUTH"
WHERE subcounty_name =
"NYANDARUASOUTH";
```

```
UPDATE subcounty_population_density set
subcounty_name = "NYANDARUA WEST"
WHERE subcounty_name = "NYANDARUAWEST";
```

```
UPDATE subcounty_population_density set
subcounty_name = "NYANDARUA NORTH" WHERE
subcounty_name = "NYANDARUANORTH";
```