

```

1  create database final_project;
2  use final_project;
3  CREATE TABLE subcounty_population_density (
4      id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,
5      county_name VARCHAR(250) NOT NULL,
6      subcounty_name VARCHAR(500) NOT NULL,
7      total INT,
8      male INT,
9      female INT,
10     square_kms INT,
11     pop_density INT
12 );
13
14 INSERT INTO subcounty_population_density (
15     county_name, subcounty_name, total, male, female, square_kms, pop_density
16 ) VALUES
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19 ("Mombasa", "KISAUNI", 291930, 146748, 145176, 88, 3328),
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22 ("Mombasa", "NYALI", 216577, 109219, 107346, 23, 9610),
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24 ("Kwale", "LUNGA LUNGA", 198423, 97174, 101245, 2765, 72),
25 ("Kwale", "MATUGA", 194252, 95831, 98419, 1034, 188),
26 ("Kwale", "MSAMBWENI", 177690, 89206, 88480, 412, 432),
27 ("Kwale", "SAMBURU", 202235, 97497, 104731, 2430, 83),
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35 ("Kilifi", "MALINDI", 333226, 163351, 169866, 2263, 147),
36 ("Kilifi", "RABAI", 120813, 58571, 62242, 208, 581),
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45 ("Taita Taveta", "VOI", 111831, 56115, 55711, 7553, 15),
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52 ("Garissa", "LAGDERA", 50315, 25023, 25291, 6096, 8),
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62 ("Mandera", "BANISA", 152598, 78301, 74288, 3944, 39),
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288 ("Vihiga", "SABATIA", 131628, 62944, 68683, 111, 1181),
289 ("Vihiga", "LUANDA", 106694, 51525, 55165, 84, 1265),
290 ("Vihiga", "HAMISI", 159241, 76901, 82337, 157, 1013),
291 ("Vihiga", "KAKAMEGA FOREST", 17, 13, 4, 32, 1),
292 ("Bungoma", "BUMULA", 215892, 103368, 112523, 345, 625),
293 ("Bungoma", "BUNGOMACENTRAL", 177748, 86302, 91438, 233, 764),
294 ("Bungoma", "BUNGOMA EAST", 114548, 55775, 58771, 163, 702),
295 ("Bungoma", "BUNGOMA NORTH", 121317, 58790, 62526, 192, 633),
296 ("Bungoma", "BUNGOMA SOUTH", 287765, 139705, 148055, 321, 896),
297 ("Bungoma", "CHEPTAIS", 136035, 67717, 68312, 223, 610),
298 ("Bungoma", "KIMILILI", 162038, 78560, 83475, 180, 902),
299 ("Bungoma", "MT ELGON", 78873, 38977, 39893, 126, 624),
300 ("Bungoma", "BUNGOMA WEST", 119875, 58225, 61649, 211, 568),
301 ("Bungoma", "TONGAREN", 100343, 48685, 51657, 185, 542),
302 ("Bungoma", "WEBUYE WEST", 152515, 74180, 78331, 239, 638),
303 ("Bungoma", "MT ELGON FOREST", 3621, 1862, 1759, 606, 6),
304 ("Busia", "BUNYALA", 85977, 41465, 44511, 192, 447),
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306 ("Busia", "BUTULA", 140334, 65136, 75195, 247, 568),
307 ("Busia", "NAMBALE", 111636, 52900, 58732, 238, 469),
308 ("Busia", "SAMIA", 107176, 50821, 56341, 262, 408),
309 ("Busia", "TESO NORTH", 138034, 66412, 71619, 261, 529),
310 ("Busia", "TESO SOUTH", 168116, 80484, 87630, 303, 555),
311 ("Siaya", "SIAYA", 224343, 105906, 118433, 599, 375),
312 ("Siaya", "GEM", 179792, 85696, 94092, 405, 444),
313 ("Siaya", "UGENYA", 134354, 62624, 71726, 324, 415),
314 ("Siaya", "UGUNJA", 104241, 48912, 55329, 201, 519),
315 ("Siaya", "BONDO", 197883, 95962, 101917, 599, 330),
316 ("Siaya", "RARIEDA", 152570, 72569, 79999, 402, 379),
317 ("Kisumu", "KISUMU EAST", 220997, 108304, 112689, 142, 1560),
318 ("Kisumu", "KISUMU CENTRAL", 174145, 84155, 89985, 37, 4737),
319 ("Kisumu", "KISUMU WEST", 172821, 85697, 87121, 209, 827),
320 ("Kisumu", "SEME", 121667, 57658, 64007, 268, 454),
321 ("Kisumu", "MUHORONI", 154116, 76770, 77345, 658, 234),
322 ("Kisumu", "NYANDO", 161508, 77121, 84380, 446, 362),
323 ("Kisumu", "NYAKACH", 150320, 71237, 79082, 327, 460),
324 ("Homa Bay", "HOMA BAY", 117439, 55756, 61681, 182, 645),
325 ("Homa Bay", "NDHIWA", 218136, 103706, 114422, 713, 306),
326 ("Homa Bay", "RACHUONYONORTH", 178686, 85409, 93273, 435, 410),
327 ("Homa Bay", "RACHUONYOEAST", 121822, 57709, 64111, 251, 486),
328 ("Homa Bay", "RACHUONYOSOUTH", 130814, 61663, 69151, 256, 511),
329 ("Homa Bay", "RANGWE", 117732, 55404, 62325, 274, 429),
330 ("Homa Bay", "SUBA NORTH", 124938, 60530, 64406, 406, 307),
331 ("Homa Bay", "SUBA SOUTH", 122383, 59383, 62998, 634, 193),
332 ("Migori", "AWENDO", 117290, 56348, 60939, 255, 459),
333 ("Migori", "KURIA EAST", 96872, 46969, 49894, 188, 516),
334 ("Migori", "KURIA WEST", 208513, 101090, 107417, 396, 527),
335 ("Migori", "NYATIKE", 176162, 83989, 92164, 677, 260),
336 ("Migori", "RONGO", 124587, 59257, 65329, 213, 584),
337 ("Migori", "SUNA EAST", 122674, 58977, 63694, 205, 598),
338 ("Migori", "SUNA WEST", 128890, 61430, 67459, 288, 448),
339 ("Migori", "URIRI", 141448, 68127, 73318, 392, 361),
340 ("Kisii", "ETAGO", 83787, 40137, 43647, 108, 773),
341 ("Kisii", "GUCHA", 83740, 39631, 44108, 82, 1020),
342 ("Kisii", "GUCHA SOUTH", 83623, 40022, 43598, 95, 878),
343 ("Kisii", "KENYENYA", 131740, 62859, 68878, 142, 930),
344 ("Kisii", "KISII CENTRAL", 166906, 81330, 85573, 136, 1229),
345 ("Kisii", "KISII SOUTH", 135134, 64514, 70615, 128, 1054),

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346 ("Kisii", "KITUTU CENTRAL", 154175, 74608, 79561, 100, 1537),
347 ("Kisii", "MARANI", 107464, 50598, 56864, 128, 837),
348 ("Kisii", "MASABA SOUTH", 122396, 58143, 64248, 161, 759),
349 ("Kisii", "NYAMACHE", 130898, 62113, 68782, 163, 805),
350 ("Kisii", "SAMETA", 66997, 31829, 35164, 79, 847),
351 ("Nyamira", "BORABU", 73167, 36736, 36431, 247, 296),
352 ("Nyamira", "MANGA", 94209, 44868, 49339, 111, 845),
353 ("Nyamira", "MASABA NORTH", 111860, 52884, 58974, 142, 789),
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355 ("Nyamira", "NYAMIRA SOUTH", 159073, 76105, 82965, 182, 876),
356 ("Nairobi", "DAGORETTI", 434208, 217651, 216526, 29, 14908),
357 ("Nairobi", "EMBAKASI", 988808, 492476, 496270, 86, 11460),
358 ("Nairobi", "KAMUKUNJI", 268276, 136670, 131599, 11, 25455),
359 ("Nairobi", "KASARANI", 780656, 381234, 399385, 86, 9063),
360 ("Nairobi", "KIBRA", 185777, 94199, 91569, 12, 15311),
361 ("Nairobi", "LANG'ATA", 197489, 96698, 100774, 217, 911),
362 ("Nairobi", "MAKADARA", 189536, 96369, 93157, 12, 16150),
363 ("Nairobi", "MATHARE", 206564, 106522, 100028, 3, 68940),
364 ("Nairobi", "NJIRU", 626482, 307642, 318809, 130, 4821),
365 ("Nairobi", "STAREHE", 210423, 109173, 101238, 21, 10205),
366 ("Nairobi", "WESTLANDS", 308854, 153818, 155021, 98, 3167);
367
368 select * from subcounty_population_density;
369
370 select county_name,subcounty_name,total, male, female from subcounty_population_density
371 order by female DESC;
372
373 select subcounty_name, sum(total) as total_population
374 from subcounty_population_density
375 group by subcounty_name;
376
377 select county_name, avg(pop_density) as average_population_density
378 from subcounty_population_density
379 group by county_name
380 order by average_population_density DESC;
381
382 select county_name, subcounty_name
383 from subcounty_population_density
384 where county_name ="Nyandarua";
385
386 set SQL_SAFE_UPDATES = 0;
387
388 update subcounty_population_density
389 set subcounty_name ="NYANDARUA_CENTRAL"
390 where subcounty_name ="NYANDARUACENTRAL";
391
392 update subcounty_population_density
393 set subcounty_name ="NYANDARUA_SOUTH"
394 where subcounty_name ="NYANDARUASOUTH";
395
396 update subcounty_population_density
397 set subcounty_name ="NYANDARUA_WEST"
398 where subcounty_name ="NYANDARUAWEST";
399
400 update subcounty_population_density
401 set subcounty_name ="NYANDARUA_NORTH"
402 where subcounty_name ="NYANDARUANORTH";
403
404

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