

CA218 Lab 5

25th March 2014

1. What is the population of Netherlands?
2. List all districts and populations in Netherlands, and the average population per district.
3. List the name, Head of State and population of all countries having more than 10million, and order by population, descending.
4. List each country in Africa, together with population for those countries with life expectancy greater than 60.
5. List each country in Europe, together with population for those countries with more than 10 districts.
6. List all countries, populations, capital populations, total number of districts, for countries whose capital have more than 2 million people, and sort by capital population, descending.

APPENDIX 1. World Schema

Information

Table: city

Columns:

<u>ID</u>	int(11) PK AI
Name	char(35)
CountryCode	char(3)
District	char(20)
Population	int(11)

Table: country

Columns:

<u>Code</u>	char(3) PK
Name	char(52)
Continent	enum('Asia','Eur')
Region	char(26)
SurfaceArea	float(10,2)
IndepYear	smallint(6)
Population	int(11)
LifeExpectancy	float(3,1)
GNP	float(10,2)
GNPOld	float(10,2)
LocalName	char(45)
GovernmentForm	char(45)
HeadOfState	char(60)
Capital	int(11)
Code2	char(2)

Information

Table: countrylanguage

Columns:

<u>CountryCode</u>	char(3) PK
<u>Language</u>	char(30) PK
IsOfficial	enum('T','F')
Percentage	float(4,1)

Appendix 2. City Sample Tuples

Filter:		Edit:		Export:
ID	Name	CountryCode	District	Population
1	Kabul	AFG	Kabul	1780000
2	Qandahar	AFG	Qandahar	237500
3	Herat	AFG	Herat	186800
4	Mazar-e-Sharif	AFG	Balkh	127800
5	Amsterdam	NLD	Noord-Holland	731200
6	Rotterdam	NLD	Zuid-Holland	593321
7	Haag	NLD	Zuid-Holland	440900
8	Utrecht	NLD	Utrecht	234323
9	Eindhoven	NLD	Noord-Brabant	201843
10	Tilburg	NLD	Noord-Brabant	193238
11	Groningen	NLD	Groningen	172701
12	Breda	NLD	Noord-Brabant	160398
13	Apeldoorn	NLD	Gelderland	153491
14	Nijmegen	NLD	Gelderland	152463
15	Enschede	NLD	Overijssel	149544
16	Haarlem	NLD	Noord-Holland	148772
17	Almere	NLD	Flevoland	142465
18	Amhem	NLD	Gelderland	138020
19	Zaanstad	NLD	Noord-Holland	136621

Appendix 3. Country Sample Tuples

Table: country	
Columns:	
Code	char(3) PK
Name	char(52)
Continent	enum('Asia','Eur
Region	char(26)
SurfaceArea	float(10,2)
IndepYear	smallint(6)
Population	int(11)
LifeExpectancy	float(3,1)
GNP	float(10,2)
GNPOld	float(10,2)
LocalName	char(45)
GovernmentForm	char(45)
HeadOfState	char(60)
Capital	int(11)
Code2	char(2)

Appendix 4. CountryLanguage Sample Tuples

CountryCode	Language	IsOfficial	Percentage
ABW	Dutch	T	5.3
ABW	English	F	9.5
ABW	Papiamentu	F	76.7
ABW	Spanish	F	7.4
AFG	Balochi	F	0.9
AFG	Dari	T	32.1
AFG	Pashto	T	52.4
AFG	Turkmenian	F	1.9
AFG	Uzbek	F	8.8
AGO	Ambo	F	2.4
AGO	Chokwe	F	4.2
AGO	Kongo	F	13.2
AGO	Luchazi	F	2.4
AGO	Luimbe-nganguela	F	5.4
AGO	Luvale	F	3.6
AGO	Mbundu	F	21.6
AGO	Nyaneka-nkhumbi	F	5.4
AGO	Ovimbundu	F	37.2
AIA	English	T	0.0
ALB	Albaniana	T	97.9