1. **Set-up and connect to the database**
2. **Develop a system that will generate following types of reports:**

Country, City, Capital reports must return **Name and Population** and at top of that reports should show:

**2.1 Country Report**

* Code.
* Continent.
* Region.
* Capital.

**2.2 City Report**

* Country.
* District.
  1. **Capital City Report**
* Country.

**2.4 Population Report**

For the population reports, the following information is requested:

* The name of the continent/region/country.
* The total population of the continent/region/country.
* The total population of the continent/region/country living in cities (including a %).
* The total population of the continent/region/country not living in cities (including a %).

1. **Generate reports of population for specified scenarios**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Population for** | World | Continent | Region | Country | District | City | |
| All | A | A | A | A | A | A |
| All Countries in | B,C | B,C | B,C | X | X | X |
| Cities in | B,C | B,C | B,C | B,C | B,C | X |
| All Capitals in | B,C | B,C | B,C | X | X | X |
| Living in cities and not living in cities | X | D | D | D | X | X |

|  |  |
| --- | --- |
| Tasks | Symbol |
| Population total | A |
| Largest to smallest for all | B |
| Largest to smallest for N results (Top) | C |
| Ratio | D |
| None | X |

Ratio - The population of people, people living in cities, and people not living in cities in each continent/region/country.

1. **Generate reports for population count and ratio of people speaking:**

Number of people who speak the following languages from greatest number to smallest, including the percentage of the world population:

a) Chinese

b) English

c) Hindi

d) Spanish

e) Arabic