**Task C**

**create** **table** countries(

id serial **primary** **key**,

country\_name **varchar** (50) **unique** **not** **null**,

country\_code **varchar** (10) **unique** **not** **null**,

country\_population **integer** **not** **null**,

president **boolean**

);

**alter** **table** countries

**add** **column** official\_language **varchar** (50);

**insert** **into** countries (country\_name, country\_code, country\_population, president)

**values** ('Kyrgyzstan', '+996', 6457000, **true**),

('Madagascar', '+261', 26970000, **true**),

('France', '+33', 67060000, **true**);

**commit**;

**insert** **into** countries(official\_language)

**values** ('Kyrgyz')

**where** country\_name = 'Kyrgyzstan';

**commit**;

**update** countries

**set** official\_language = 'Kyrgyz'

**where** country\_name = 'Kyrgyzstan';

**select** \* **from** countries;

**create** **table** cities(

id serial **primary** **key**,

city\_name **varchar** (50) **unique** **not** **null**,

fk\_country\_id **integer** **references** countries (id),

mayor **boolean**,

city\_population **integer** **not** **null**

);

**insert** **into** cities (city\_name, fk\_country\_id, mayor, city\_population)

**values** ('Bishkek', 1, **true**, 967734),

('Antananarivo', 2, **true**, 1275000),

('Paris', 3, **true**, 2161000);

**insert** **into** cities (city\_name, fk\_country\_id, mayor, city\_population)

**values** ('Osh', 1, **true**, 256763);

**commit**;

**select** \* **from** cities;

**create** **table** people(

id serial **primary** **key**,

full\_name **varchar** (100) **not** **null**,

birth\_date **date** **not** **null**

);

**insert** **into** people(full\_name, birth\_date)

**values** ('Atakishieva Alina', '1999-09-13'),

('Askarbekova Nurayim', '1999-10-03'),

('Saparaliev Baiel', '2000-10-15'),

('Jakypova Aidana', '2000-05-16'),

('Sovetbekova Nargiza', '1999-10-14'),

('Atakishiev Timur', '1993-05-25'),

('Aleshe Popovich', '2003-08-17'),

('Sergei Nikolaevich', '1998-05-05'),

('Batyrbekov Manas', '1995-08-29'),

('Azhiev Bakai', '1998-06-05');

**commit**;

**select** \* **from** people;

**select** c.country\_name **from** countries c

**where** c.country\_name **like** 'K%'

**union**

**select** c.city\_name **from** cities c

**where** c.city\_name **like** 'K%';

**IF** c.coutry\_name **like** 'K%' **THEN**

**select** c.country\_name **from** countries c

**END** **IF**;

**select** c.country\_name , c2.city\_name **from** countries c

**join** cities c2 **on** c.id = c2.fk\_country\_id

**where** c.country\_name **like** 'K%' **or** c2.city\_name **like** 'K%';

**select** **sum**(city\_population) **from** cities c2

**where** c2.fk\_country\_id = 1

**union**

**select** **sum**(city\_population) **from** cities c2

**where** c2.fk\_country\_id = 2

**union**

**select** **sum**(city\_population) **from** cities c2

**where** c2.fk\_country\_id = 3;