Before next lesson, upload this lab to the learning hub at learn.bcit.ca in the /Activities/Assignments/Lesson5Lab dropbox.

A sample solution will be posted at the start of the next lesson, so late submissions are not accepted.

Copy the following code into your IDE to create three tuples. Do not change any of this code.

1. **countries\_and\_capitals**: this is a tuple of lists. Each element of this tuple is a list of two strings: a country and its capital city.
2. **countries**: this is a tuple of strings. Each element of this tuple is a string: the name of a country.
3. **capitals**: this is a tuple of strings. Each element of this tuple is a string: the name of a capital city.

# START HERE AND PASTE INTO YOUR LAB IN YOUR IDE

**countries\_and\_capitals =** (['Afghanistan', 'Kabul'], ['Albania', 'Tirana (Tirane)'], ['Algeria', 'Algiers'], ['Andorra', 'Andorra la Vella'], ['Angola', 'Luanda'], ['Antigua and Barbuda', "Saint John's"], ['Argentina', 'Buenos Aires'], ['Armenia', 'Yerevan'], ['Australia', 'Canberra'], ['Austria', 'Vienna'], ['Azerbaijan', 'Baku'], ['Bahamas', 'Nassau'], ['Bahrain', 'Manama'], ['Bangladesh', 'Dhaka'], ['Barbados', 'Bridgetown'], ['Belarus', 'Minsk'], ['Belgium', 'Brussels'], ['Belize', 'Belmopan'], ['Benin', 'Porto Novo'], ['Bhutan', 'Thimphu'], ['Bolivia', 'Sucre'], ['Bosnia and Herzegovina', 'Sarajevo'], ['Botswana', 'Gaborone'], ['Brazil', 'Brasilia'], ['Brunei', 'Bandar Seri Begawan'], ['Bulgaria', 'Sofia'], ['Burkina Faso', 'Ouagadougou'], ['Burundi', 'Gitega'], ['Cambodia', 'Phnom Penh'], ['Cameroon', 'Yaounde'], ['Canada', 'Ottawa'], ['Cape Verde', 'Praia'], ['Central African Republic', 'Bangui'], ['Chad', "N'Djamena"], ['Chile', 'Santiago'], ['China', 'Beijing'], ['Colombia', 'Bogota'], ['Comoros', 'Moroni'], ['Congo, Democratic Republic of the', 'Kinshasa'], ['Congo, Republic of the', 'Brazzaville'], ['Costa Rica', 'San Jose'], ["Cote d'Ivoire (Ivory Coast)", 'Yamoussoukro'], ['Croatia', 'Zagreb'], ['Cuba', 'Havana'], ['Cyprus', 'Nicosia'], ['Czech Republic (Czechia)', 'Prague'], ['Denmark', 'Copenhagen'], ['Djibouti', 'Djibouti'], ['Dominica', 'Roseau'], ['Dominican Republic', 'Santo Domingo'], ['East Timor', 'Dili'], ['Ecuador', 'Quito'], ['Egypt', 'Cairo'], ['El Salvador', 'San Salvador'], ['England', 'London'], ['Equatorial Guinea', 'Malabo'], ['Eritrea', 'Asmara'], ['Estonia', 'Tallinn'], ['Eswatini (Swaziland)', 'Mbabana'], ['Ethiopia', 'Addis Ababa'], ['Federated States of Micronesia', 'Palikir'], ['Fiji', 'Suva'], ['Finland', 'Helsinki'], ['France', 'Paris'], ['Gabon', 'Libreville'], ['Gambia', 'Banjul'], ['Georgia', 'Tbilisi'], ['Germany', 'Berlin'], ['Ghana', 'Accra'], ['Greece', 'Athens'], ['Grenada', "Saint George's"], ['Guatemala', 'Guatemala City'], ['Guinea', 'Conakry'], ['Guinea-Bissau', 'Bissau'], ['Guyana', 'Georgetown'], ['Haiti', 'Port au Prince'], ['Honduras', 'Tegucigalpa'], ['Hungary', 'Budapest'], ['Iceland', 'Reykjavik'], ['India', 'New Delhi'], ['Indonesia', 'Jakarta'], ['Iran', 'Tehran'], ['Iraq', 'Baghdad'], ['Ireland', 'Dublin'], ['Israel', 'Jerusalem'], ['Italy', 'Rome'], ['Jamaica', 'Kingston'], ['Japan', 'Tokyo'], ['Jordan', 'Amman'], ['Kazakhstan', 'Nur-Sultan'], ['Kenya', 'Nairobi'], ['Kiribati', 'Tarawa Atoll'], ['Kosovo', 'Pristina'], ['Kuwait', 'Kuwait City'], ['Kyrgyzstan', 'Bishkek'], ['Laos', 'Vientiane'], ['Latvia', 'Riga'], ['Lebanon', 'Beirut'], ['Lesotho', 'Maseru'], ['Liberia', 'Monrovia'], ['Libya', 'Tripoli'], ['Liechtenstein', 'Vaduz'], ['Lithuania', 'Vilnius'], ['Luxembourg', 'Luxembourg'], ['Madagascar', 'Antananarivo'], ['Malawi', 'Lilongwe'], ['Malaysia', 'Kuala Lumpur'], ['Maldives', 'Male'], ['Mali', 'Bamako'], ['Malta', 'Valletta'], ['Marshall Islands', 'Majuro'], ['Mauritania', 'Nouakchott'], ['Mauritius', 'Port Louis'], ['Mexico', 'Mexico City'], ['Moldova', 'Chisinau'], ['Monaco', 'Monaco'], ['Mongolia', 'Ulaanbaatar'], ['Montenegro', 'Podgorica'], ['Morocco', 'Rabat'], ['Mozambique', 'Maputo'], ['Myanmar (Burma)', 'Nay Pyi Taw'], ['Namibia', 'Windhoek'], ['Nauru', 'No official capital'], ['Nepal', 'Kathmandu'], ['Netherlands', 'Amsterdam'], ['New Zealand', 'Wellington'], ['Nicaragua', 'Managua'], ['Niger', 'Niamey'], ['Nigeria', 'Abuja'], ['North Korea', 'Pyongyang'], ['North Macedonia (Macedonia)', 'Skopje'], ['Northern Ireland', 'Belfast'], ['Norway', 'Oslo'], ['Oman', 'Muscat'], ['Pakistan', 'Islamabad'], ['Palau', 'Melekeok'], ['Panama', 'Panama City'], ['Papua New Guinea', 'Port Moresby'], ['Paraguay', 'Asuncion'], ['Peru', 'Lima'], ['Philippines', 'Manila'], ['Poland', 'Warsaw'], ['Portugal', 'Lisbon'], ['Qatar', 'Doha'], ['Romania', 'Bucharest'], ['Russia', 'Moscow'], ['Rwanda', 'Kigali'], ['Saint Kitts and Nevis', 'Basseterre'], ['Saint Lucia', 'Castries'], ['Saint Vincent and the Grenadines', 'Kingstown'], ['Samoa', 'Apia'], ['San Marino', 'San Marino'], ['Sao Tome and Principe', 'Sao Tome'], ['Saudi Arabia', 'Riyadh'], ['Scotland', 'Edinburgh'], ['Senegal', 'Dakar'], ['Serbia', 'Belgrade'], ['Seychelles', 'Victoria'], ['Sierra Leone', 'Freetown'], ['Singapore', 'Singapore'], ['Slovakia', 'Bratislava'], ['Slovenia', 'Ljubljana'], ['Solomon Islands', 'Honiara'], ['Somalia', 'Mogadishu'], ['South Africa', 'Pretoria, Bloemfontein, Cape Town'], ['South Korea', 'Seoul'], ['South Sudan', 'Juba'], ['Spain', 'Madrid'], ['Sri Lanka', 'Colombo'], ['Sudan', 'Khartoum'], ['Suriname', 'Paramaribo'], ['Sweden', 'Stockholm'], ['Switzerland', 'Bern'], ['Syria', 'Damascus'], ['Taiwan', 'Taipei'], ['Tajikistan', 'Dushanbe'], ['Tanzania', 'Dodoma'], ['Thailand', 'Bangkok'], ['Togo', 'Lome'], ['Tonga', "Nuku'alofa"], ['Trinidad and Tobago', 'Port of Spain'], ['Tunisia', 'Tunis'], ['Turkey', 'Ankara'], ['Turkmenistan', 'Ashgabat'], ['Tuvalu', 'Funafuti'], ['Uganda', 'Kampala'], ['Ukraine', 'Kiev'], ['United Arab Emirates', 'Abu Dhabi'], ['United Kingdom', 'London'], ['United States', 'Washington D.C.'], ['Uruguay', 'Montevideo'], ['Uzbekistan', 'Tashkent'], ['Vanuatu', 'Port Vila'], ['Vatican City', 'Vatican City'], ['Venezuela', 'Caracas'], ['Vietnam', 'Hanoi'], ['Wales', 'Cardiff'], ['Yemen', "Sana'a"], ['Zambia', 'Lusaka'], ['Zimbabwe', 'Harare'])

**countries =** ('Afghanistan', 'Albania', 'Algeria', 'Andorra', 'Angola', 'Antigua and Barbuda', 'Argentina', 'Armenia', 'Australia', 'Austria', 'Azerbaijan', 'Bahamas', 'Bahrain', 'Bangladesh', 'Barbados', 'Belarus', 'Belgium', 'Belize', 'Benin', 'Bhutan', 'Bolivia', 'Bosnia and Herzegovina', 'Botswana', 'Brazil', 'Brunei', 'Bulgaria', 'Burkina Faso', 'Burundi', 'Cambodia', 'Cameroon', 'Canada', 'Cape Verde', 'Central African Republic', 'Chad', 'Chile', 'China', 'Colombia', 'Comoros', 'Congo, Democratic Republic of the', 'Congo, Republic of the', 'Costa Rica', "Cote d'Ivoire (Ivory Coast)", 'Croatia', 'Cuba', 'Cyprus', 'Czech Republic (Czechia)', 'Denmark', 'Djibouti', 'Dominica', 'Dominican Republic', 'East Timor', 'Ecuador', 'Egypt', 'El Salvador', 'England', 'Equatorial Guinea', 'Eritrea', 'Estonia', 'Eswatini (Swaziland)', 'Ethiopia', 'Federated States of Micronesia', 'Fiji', 'Finland', 'France', 'Gabon', 'Gambia', 'Georgia', 'Germany', 'Ghana', 'Greece', 'Grenada', 'Guatemala', 'Guinea', 'Guinea-Bissau', 'Guyana', 'Haiti', 'Honduras', 'Hungary', 'Iceland', 'India', 'Indonesia', 'Iran', 'Iraq', 'Ireland', 'Israel', 'Italy', 'Jamaica', 'Japan', 'Jordan', 'Kazakhstan', 'Kenya', 'Kiribati', 'Kosovo', 'Kuwait', 'Kyrgyzstan', 'Laos', 'Latvia', 'Lebanon', 'Lesotho', 'Liberia', 'Libya', 'Liechtenstein', 'Lithuania', 'Luxembourg', 'Madagascar', 'Malawi', 'Malaysia', 'Maldives', 'Mali', 'Malta', 'Marshall Islands', 'Mauritania', 'Mauritius', 'Mexico', 'Moldova', 'Monaco', 'Mongolia', 'Montenegro', 'Morocco', 'Mozambique', 'Myanmar (Burma)', 'Namibia', 'Nauru', 'Nepal', 'Netherlands', 'New Zealand', 'Nicaragua', 'Niger', 'Nigeria', 'North Korea', 'North Macedonia (Macedonia)', 'Northern Ireland', 'Norway', 'Oman', 'Pakistan', 'Palau', 'Panama', 'Papua New Guinea', 'Paraguay', 'Peru', 'Philippines', 'Poland', 'Portugal', 'Qatar', 'Romania', 'Russia', 'Rwanda', 'Saint Kitts and Nevis', 'Saint Lucia', 'Saint Vincent and the Grenadines', 'Samoa', 'San Marino', 'Sao Tome and Principe', 'Saudi Arabia', 'Scotland', 'Senegal', 'Serbia', 'Seychelles', 'Sierra Leone', 'Singapore', 'Slovakia', 'Slovenia', 'Solomon Islands', 'Somalia', 'South Africa', 'South Korea', 'South Sudan', 'Spain', 'Sri Lanka', 'Sudan', 'Suriname', 'Sweden', 'Switzerland', 'Syria', 'Taiwan', 'Tajikistan', 'Tanzania', 'Thailand', 'Togo', 'Tonga', 'Trinidad and Tobago', 'Tunisia', 'Turkey', 'Turkmenistan', 'Tuvalu', 'Uganda', 'Ukraine', 'United Arab Emirates', 'United Kingdom', 'United States', 'Uruguay', 'Uzbekistan', 'Vanuatu', 'Vatican City', 'Venezuela', 'Vietnam', 'Wales', 'Yemen', 'Zambia', 'Zimbabwe')

**capitals =** ('Kabul', 'Tirana (Tirane)', 'Algiers', 'Andorra la Vella', 'Luanda', "Saint John's", 'Buenos Aires', 'Yerevan', 'Canberra', 'Vienna', 'Baku', 'Nassau', 'Manama', 'Dhaka', 'Bridgetown', 'Minsk', 'Brussels', 'Belmopan', 'Porto Novo', 'Thimphu', 'Sucre', 'Sarajevo', 'Gaborone', 'Brasilia', 'Bandar Seri Begawan', 'Sofia', 'Ouagadougou', 'Gitega', 'Phnom Penh', 'Yaounde', 'Ottawa', 'Praia', 'Bangui', "N'Djamena", 'Santiago', 'Beijing', 'Bogota', 'Moroni', 'Kinshasa', 'Brazzaville', 'San Jose', 'Yamoussoukro', 'Zagreb', 'Havana', 'Nicosia', 'Prague', 'Copenhagen', 'Djibouti', 'Roseau', 'Santo Domingo', 'Dili', 'Quito', 'Cairo', 'San Salvador', 'London', 'Malabo', 'Asmara', 'Tallinn', 'Mbabana', 'Addis Ababa', 'Palikir', 'Suva', 'Helsinki', 'Paris', 'Libreville', 'Banjul', 'Tbilisi', 'Berlin', 'Accra', 'Athens', "Saint George's", 'Guatemala City', 'Conakry', 'Bissau', 'Georgetown', 'Port au Prince', 'Tegucigalpa', 'Budapest', 'Reykjavik', 'New Delhi', 'Jakarta', 'Tehran', 'Baghdad', 'Dublin', 'Jerusalem', 'Rome', 'Kingston', 'Tokyo', 'Amman', 'Nur-Sultan', 'Nairobi', 'Tarawa Atoll', 'Pristina', 'Kuwait City', 'Bishkek', 'Vientiane', 'Riga', 'Beirut', 'Maseru', 'Monrovia', 'Tripoli', 'Vaduz', 'Vilnius', 'Luxembourg', 'Antananarivo', 'Lilongwe', 'Kuala Lumpur', 'Male', 'Bamako', 'Valletta', 'Majuro', 'Nouakchott', 'Port Louis', 'Mexico City', 'Chisinau', 'Monaco', 'Ulaanbaatar', 'Podgorica', 'Rabat', 'Maputo', 'Nay Pyi Taw', 'Windhoek', 'No official capital', 'Kathmandu', 'Amsterdam', 'Wellington', 'Managua', 'Niamey', 'Abuja', 'Pyongyang', 'Skopje', 'Belfast', 'Oslo', 'Muscat', 'Islamabad', 'Melekeok', 'Panama City', 'Port Moresby', 'Asuncion', 'Lima', 'Manila', 'Warsaw', 'Lisbon', 'Doha', 'Bucharest', 'Moscow', 'Kigali', 'Basseterre', 'Castries', 'Kingstown', 'Apia', 'San Marino', 'Sao Tome', 'Riyadh', 'Edinburgh', 'Dakar', 'Belgrade', 'Victoria', 'Freetown', 'Singapore', 'Bratislava', 'Ljubljana', 'Honiara', 'Mogadishu', 'Pretoria, Bloemfontein, Cape Town', 'Seoul', 'Juba', 'Madrid', 'Colombo', 'Khartoum', 'Paramaribo', 'Stockholm', 'Bern', 'Damascus', 'Taipei', 'Dushanbe', 'Dodoma', 'Bangkok', 'Lome', "Nuku'alofa", 'Port of Spain', 'Tunis', 'Ankara', 'Ashgabat', 'Funafuti', 'Kampala', 'Kiev', 'Abu Dhabi', 'London', 'Washington D.C.', 'Montevideo', 'Tashkent', 'Port Vila', 'Vatican City', 'Caracas', 'Hanoi', 'Cardiff', "Sana'a", 'Lusaka', 'Harare')

# END HERE

# Lab Instructions

Now that we have three tuples of data with which to work, your job is to write eight functions to meet the following requirements. Create functions with the following names, parameters, and return types. Note that all of these functions will work regardless of letter case (so ‘A’ is the same as ‘a’, for example. Do not alter the data in the tuples (given above).

|  |  |
| --- | --- |
| **Function Name** | **Parameters** |
| how\_many\_countries |  |
| get\_name\_of\_longest\_country |  |
| get\_number\_of\_capitals\_containing | substring |
| get\_countries\_and\_capitals\_that\_start\_with\_same\_letter |  |
| get\_capital\_of | Country whose capital to return, or “no such country” |
| get\_list\_of\_countries\_with\_this\_many\_letters\_in\_name | num\_letters |
| get\_capitals\_and\_countries\_that\_begin\_and\_end\_with\_same\_letter |  |
| print\_countries\_in\_reverse\_alphabetical\_order |  |

A sample run looks like this:

**print(how\_many\_countries())**

**print(get\_name\_of\_longest\_country())**

**print(get\_number\_of\_capitals\_containing('e'))**

**print(get\_number\_of\_capitals\_containing('z'))**

**print(get\_number\_of\_capitals\_containing("'"))**

**print(get\_number\_of\_capitals\_containing('an'))**

**print(get\_countries\_and\_capitals\_that\_start\_with\_same\_letter())**

**print(get\_capital\_of('canada')) # must use the countries\_and\_capitals list**

**print(get\_capital\_of('nEW zeALAND')) # must use the countries\_and\_capitals list**

**print(get\_capital\_of('xyz')) # must use the countries\_and\_capitals list**

**print(get\_list\_of\_countries\_with\_this\_many\_letters\_in\_name(11))**

**print(get\_list\_of\_countries\_with\_this\_many\_letters\_in\_name(15))**

**print(get\_capitals\_and\_countries\_that\_begin\_and\_end\_with\_same\_letter())**

**print\_countries\_in\_reverse\_alphabetical\_order()**

**When you run the code above the correct solution will give the following results:**

|  |
| --- |
| **print(how\_many\_countries())**  200 |
| **print(get\_name\_of\_longest\_country())**  Congo, Democratic Republic of the |
| **print(get\_number\_of\_capitals\_containing('e'))**  75 |
| **print(get\_number\_of\_capitals\_containing("'"))** # apostrophe  5 |
| **print(get\_number\_of\_capitals\_containing('an'))**  35 |
| **print(get\_countries\_and\_capitals\_that\_start\_with\_same\_letter())**  **# put a hypen between country and capital, as follows**  ['Algiers - Algeria', 'Andorra la Vella - Andorra', 'Bridgetown - Barbados', 'Brussels - Belgium', 'Belmopan - Belize', 'Brasilia - Brazil', 'Bandar Seri Begawan - Brunei', 'Djibouti - Djibouti', 'Guatemala City - Guatemala', 'Georgetown - Guyana', 'Kuwait City - Kuwait', 'Luxembourg - Luxembourg', 'Male - Maldives', 'Majuro - Marshall Islands', 'Mexico City - Mexico', 'Monaco - Monaco', 'Maputo - Mozambique', 'No official capital - Nauru', 'Niamey - Niger', 'Panama City - Panama', 'Port Moresby - Papua New Guinea', 'San Marino - San Marino', 'Sao Tome - Sao Tome and Principe', 'Singapore - Singapore', 'Seoul - South Korea', 'Stockholm - Sweden', 'Taipei - Taiwan', 'Tunis - Tunisia', 'Vatican City - Vatican City'] |
| **print(get\_capital\_of('canada'))** # case insensitive  Ottawa |
| **print(get\_capital\_of('nEW zeALAND'))** #case insensitive  Wellington |
| **print(get\_capital\_of('xyz'))**  None |
| **print(get\_list\_of\_countries\_with\_this\_many\_letters\_in\_name(11))**  ['Afghanistan', 'El Salvador', 'Netherlands', 'New Zealand', 'North Korea', 'Philippines', 'Saint Lucia', 'South Korea', 'South Sudan', 'Switzerland'] |

|  |
| --- |
| **print(get\_list\_of\_countries\_with\_this\_many\_letters\_in\_name(15))**  ['Myanmar (Burma)', 'Solomon Islands'] |
| **print(get\_capitals\_and\_countries\_that\_begin\_and\_end\_with\_same\_letter())**  **# first list all the countries then all the capitals, as follows**  ['Albania', 'Algeria', 'Andorra', 'Angola', 'Antigua and Barbuda', 'Argentina', 'Armenia', 'Australia', 'Austria', 'Central African Republic', 'Saint Kitts and Nevis', 'Saint Vincent and the Grenadines', 'Seychelles', 'Solomon Islands', 'Andorra la Vella', "Saint John's", 'Asmara', 'Addis Ababa', 'Accra', "Saint George's", 'Nur-Sultan', 'Abuja', 'Oslo', 'Warsaw', 'Apia', 'Ankara', 'Tashkent'] |
| **print\_countries\_in\_reverse\_alphabetical\_order()**  ('Zimbabwe', 'Zambia', 'Yemen', 'Wales', 'Vietnam', 'Venezuela', 'Vatican City', 'Vanuatu', 'Uzbekistan', 'Uruguay', 'United States', 'United Kingdom', 'United Arab Emirates', 'Ukraine', 'Uganda', 'Tuvalu', 'Turkmenistan', 'Turkey', 'Tunisia', 'Trinidad and Tobago', 'Tonga', 'Togo', 'Thailand', 'Tanzania', 'Tajikistan', 'Taiwan', 'Syria', 'Switzerland', 'Sweden', 'Suriname', 'Sudan', 'Sri Lanka', 'Spain', 'South Sudan', 'South Korea', 'South Africa', 'Somalia', 'Solomon Islands', 'Slovenia', 'Slovakia', 'Singapore', 'Sierra Leone', 'Seychelles', 'Serbia', 'Senegal', 'Scotland', 'Saudi Arabia', 'Sao Tome and Principe', 'San Marino', 'Samoa', 'Saint Vincent and the Grenadines', 'Saint Lucia', 'Saint Kitts and Nevis', 'Rwanda', 'Russia', 'Romania', 'Qatar', 'Portugal', 'Poland', 'Philippines', 'Peru', 'Paraguay', 'Papua New Guinea', 'Panama', 'Palau', 'Pakistan', 'Oman', 'Norway', 'Northern Ireland', 'North Macedonia (Macedonia)', 'North Korea', 'Nigeria', 'Niger', 'Nicaragua', 'New Zealand', 'Netherlands', 'Nepal', 'Nauru', 'Namibia', 'Myanmar (Burma)', 'Mozambique', 'Morocco', 'Montenegro', 'Mongolia', 'Monaco', 'Moldova', 'Mexico', 'Mauritius', 'Mauritania', 'Marshall Islands', 'Malta', 'Mali', 'Maldives', 'Malaysia', 'Malawi', 'Madagascar', 'Luxembourg', 'Lithuania', 'Liechtenstein', 'Libya', 'Liberia', 'Lesotho', 'Lebanon', 'Latvia', 'Laos', 'Kyrgyzstan', 'Kuwait', 'Kosovo', 'Kiribati', 'Kenya', 'Kazakhstan', 'Jordan', 'Japan', 'Jamaica', 'Italy', 'Israel', 'Ireland', 'Iraq', 'Iran', 'Indonesia', 'India', 'Iceland', 'Hungary', 'Honduras', 'Haiti', 'Guyana', 'Guinea-Bissau', 'Guinea', 'Guatemala', 'Grenada', 'Greece', 'Ghana', 'Germany', 'Georgia', 'Gambia', 'Gabon', 'France', 'Finland', 'Fiji', 'Federated States of Micronesia', 'Ethiopia', 'Eswatini (Swaziland)', 'Estonia', 'Eritrea', 'Equatorial Guinea', 'England', 'El Salvador', 'Egypt', 'Ecuador', 'East Timor', 'Dominican Republic', 'Dominica', 'Djibouti', 'Denmark', 'Czech Republic (Czechia)', 'Cyprus', 'Cuba', 'Croatia', "CÃ´te d'Ivoire (Ivory Coast)", 'Costa Rica', 'Congo, Republic of the', 'Congo, Democratic Republic of the', 'Comoros', 'Colombia', 'China', 'Chile', 'Chad', 'Central African Republic', 'Cape Verde', 'Canada', 'Cameroon', 'Cambodia', 'Burundi', 'Burkina Faso', 'Bulgaria', 'Brunei', 'Brazil', 'Botswana', 'Bosnia and Herzegovina', 'Bolivia', 'Bhutan', 'Benin', 'Belize', 'Belgium', 'Belarus', 'Barbados', 'Bangladesh', 'Bahrain', 'Bahamas', 'Azerbaijan', 'Austria', 'Australia', 'Armenia', 'Argentina', 'Antigua and Barbuda', 'Angola', 'Andorra', 'Algeria', 'Albania', 'Afghanistan') |

Note that your instructor will test with other code too…not just the sample run listed above. The sample run listed above is intended only to show whether your code appears to be running as expected.