Amit Rizal

CSD-325

Assignement -7.2

#city\_functions.py

def city\_country(city, country, population=None, language=None):

"""Returns a formatted string with city, country, and optional population and language."""

result = f"{city.title()}, {country.title()}"

if population:

result += f" - population {population}"

if language:

result += f", {language.title()}"

return result

# Test calls

print(city\_country("santiago", "chile"))

print(city\_country("kathmandu", "nepal", population=1000000))

print(city\_country("tokyo", "japan", population=14000000, language="japanese"))  
A computer screen shot of a code

Description automatically generated

# test\_cities.py

import unittest

from city\_functions import city\_country

class TestCityCountry(unittest.TestCase):

"""Tests for the city\_country function."""

def test\_city\_country(self):

result = city\_country("santiago", "chile")

self.assertEqual(result, "Santiago, Chile")

def test\_city\_country\_population(self):

result = city\_country("kathmandu", "nepal", population=1000000)

self.assertEqual(result, "Kathmandu, Nepal - population 1000000")

def test\_city\_country\_population\_language(self):

result = city\_country("tokyo", "japan", population=14000000, language="japanese")

self.assertEqual(result, "Tokyo, Japan - population 14000000, Japanese")

if \_\_name\_\_ == '\_\_main\_\_':

unittest.main()

A computer screen shot of a code

Description automatically generated