```
module-7 > city_functions.py > ...
        Tabnine | Edit | Test | Explain | Document | Ask
       def city country(city, country):
           return f"{city.title()}, {country.title()}"
        if name == " main ":
           print(city_country("santiago", "chile"))
           print(city_country("tokyo", "japan"))
           print(city_country("paris", "france"))
   7
  DOODLEMS E OUTDUT DEDUC CONSOLE TERMINAL
                                                        GITLEN
/Bellevue/AdvPython/csd/csd-325/module-6/MOD6_FOREST_FIRE_REV.py
  / users/ ancondecesare/ .pyenv/ versions/ 3. iv. 2/ uin/ pychon / users/antonde
Santiago, Chile
  Tokyo, Japan
  Paris, France
```

```
module-7 > detest_cities.py > ...
       from city_functions import city_country
       Tabnine | Edit | Test | Explain | Document | Ask
       def test_city_country():
           result = city_country('new york', 'usa')
           assert result == 'New York, Usa'
  5
       if __name__ == "__main ":
           test_city_country()
           print("Test passed!")
  9
PROBLEMS 5
                OUTPUT DEBUG CONSOLE
                                            TERMINAL
                                                        PORTS
   module-7 git:(main) x /Users/antondecesare/.pyenv/versio
7/test cities.pv
Test passed!
→ module-7 git:(main) x
```

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    city_functions.py U × ≡ city_functions.cpyt ···  
    test_cities.py U ×  

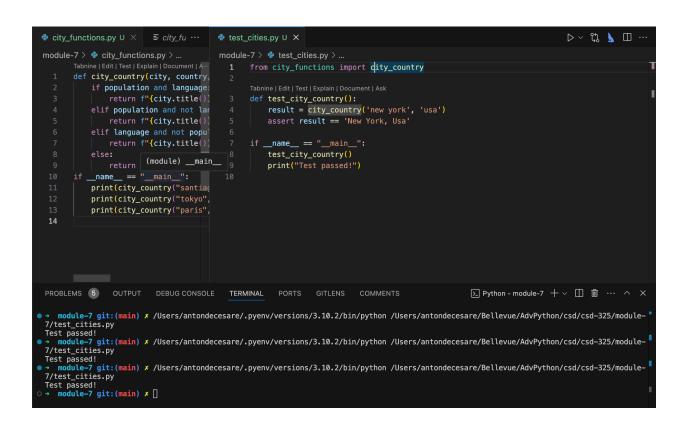
                                                                                                                                         module-7 > ♦ test_cities.py > ...
                                                                  from city_functions import city_country
        def city_country(city, country, populatio
                                                                  def test_city_country():
        if __name__ == "__main__":
    print(city_country("santiago", "chile
                                                                      result = city_country('new york', 'usa')
                                                                       assert result == 'New York, Usa'
            print(city_country("tokyo", "japan"))
print(city_country("paris", "france")
                                                                  if __name__ == "__main__":
  8
                                                                       test_city_country()
                                                                       print("Test passed!")
               Output (企業U)
                                                                                                                ∑ Python - module-7 + ∨ □ · · · · · ×
PROBLEMS 5 OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS
    module=7 git:(main) x /Users/antondecesare/.pyenv/versions/3.10.2/bin/python /Users/antondecesare/Bellevue/AdvPython/csd/csd-325/module-
7/test_cities.py
Traceback (most recent call last):
File "/Users/antondecesare/Bellevue/AdvPython/csd/csd-325/module-7/test_cities.py", line 8, in <module>
rite /users/antonidecesare/bettevue/AdvPython/csd/csd-325/module-//test_cities.py , time 6, in <module>
test_city_country()
File "/Users/antondecesare/Bellevue/AdvPython/csd/csd-325/module-7/test_cities.py", line 4, in test_city_country
result = city_country() muse york', 'usa')
TypeError: city_country() muse in a required positional argument: 'population'
 city_functions.py U ×  ≡ city_functions.cpython-. · · ·
                                                                        test_cities.py U X
 module-7 > decity_functions.py > ...
                                                                        module-7 > detest_cities.py > ...
                                                                                 from city_functions import city_country
          def city_country(city, country, population=No
                    if population:
                         return f"{city.title()}, {country
                                                                                 def test_city_country():
                                                                                      result = city_country('new york', 'usa')
                         return f"{city.title()}, {country
                                                                                      assert result == 'New York, Usa'
          if __name__ == "__main__":
                                                                                 if <u>__name__</u> == "<u>__main__</u>":
               print(city_country("santiago", "chile"))
                                                                                      test_city_country()
               print(city_country("tokyo", "japan"))
print(city_country("paris", "france"))
                                                                                      print("Test passed!")
                                                                          10
 PROBLEMS 5 OUTPUT DEBUG CONSOLE TERMINAL
                                                                                                                              ∑ Python - module-7 + ∨ □
                                                                     PORTS GITLENS COMMENTS
     module-7 git:(main) x /Users/antondecesare/.pyenv/versions/3.10.2/bin/python /Users/antondecesare/Bellevue/AdvPython/csd/
  7/test_cities.py
 Test passed!

→ module-7 git:(main) x []
```

```
  city_functions.py U × ≡ city_functions.cpython-31( ···

                                                                          test_cities.py U X
                                                                                                                                                             Tabnine | Edit | Test | Explain | Document | Ask
                                                                                    from city_functions import city_country
         untry(city, country, population):
         population:
                                                                                    def test_city_country():
                                                                                         result_no_population = city_country('new york', 'usa')
         return f"{city.title()}, {country.title()}"
                                                                                         assert result_no_population == 'New York, Usa', f"Expected 'New York,
        ity_country("santiago", "chile"))
ity_country("tokyo", "japan"))
ity_country("paris", "france"))
                                                                                         # Test with population
                                                                                         result_with_population = city_country('tokyo', 'japan', 13929286)
                                                                                         assert result_with_population == 'Tokyo, Japan - population 13929286'
                                                                                    if __name__ == "__main__":
                                                                                      test_city_country()
                                                                                         nrint("Test passed!")
                                                                             Click to add a breakpoint
                                                                                                                                \Sigma Python - module-7 + \vee \square \square \cdots \wedge \times
PROBLEMS 5 OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS
    module-7 git:(main) x /Users/antondecesare/.pyenv/versions/3.10.2/bin/python /Users/antondecesare/Bellevue/AdvPython/csd/csd-325/module-
 7/test_cities.py
Traceback (most recent call last):
File "/Users/antondecesare/Bellevue/AdvPython/csd/csd-325/module-7/test_cities.py", line 13, in <module>
    test_city_country()
    File "/Users/antondecesare/Bellevue/AdvPython/csd/csd-325/module-7/test_cities.py", line 5, in test_city_country
    result_no_population = city_country('new york', 'usa')

TypeError: city_country() missing 1 required positional argument: 'population'
```



```
    city_functions.py U ×  ≡ city_functions.cpython-310.pyc

                                                                                      test_cities.py U X
                                                                                                                                           D ~ th b □
module-7 > ♥ city_functions.py > ...
                                                                                      module-7 > d test_cities.py > ...
         Tabnine | Edit | Test | Explain | Document | Ask
                                                                                              from city_functions import city_country
        def city_country(city, country, language, population=None):
             if population and language:
                 return f"{city.title()}, {country.title()} - population
                                                                                               def test_city_country():
             elif population and not language:
                                                                                                   result = city_country('new york', 'usa')
                                                                                                   assert result == 'New York, Usa'
             elif language and not population:
                 return f"{city.title()}, {country.title()} - language {l
                                                                                               if __name__ == "__main__":
                                                                                                    test_city_country()
                 return f"{city.title()}, {country.title()}"
me_ == "__main__":
                                                                                                    print("Test passed!")
         if __name_
                                                                                        10
             print(city_country("santiago", "chile"))
             print(city_country("tokyo", "japan"))
print(city_country("paris", "france"))
 PROBLEMS (5) OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS
                                                                                                                  > Python - module-7 + ∨ □ · · · · ·
 module-7 git:(main) x /Users/antondecesare/.pyenv/versions/3.10.2/bin/python /Users/antondecesare/Bellevue/AdvPython/csd/csd-325/modu
7/test_cities.py
Traceback (most recent call last):
   File "/Users/antondecesare/Bellevue/AdvPython/csd/csd-325/module-7/test_cities.py", line 8, in <module>
   test_city_country()

File "/Users/antondecesare/Bellevue/AdvPython/csd/csd-325/module-7/test_cities.py", line 4, in test_city_country
 result = city_country('new york', 'usa')
TypeError: city_country()_missing 1 required positional argument: 'language'
                                                                                                                                      ··· 🕏 test_cities.py U X
module-7 > ♦ city_functions.py > ...
                                                                                            module-7 > 🕏 test_cities.py > ...
                                                                                                   from city_functions import city_country
       def city_country(city, country, language=None, population=None):
           if population and language:
                return f"{city.title()}, {country.title()} - population {populat
                                                                                                   def test_city_country():
                                                                                                        result = city_country('new york', 'usa')
            elif population and not language:
                return f"{city.title()}, {country.title()} - population {populat
            elif language and not population:
                return f"{city.title()}, {country.title()} - language {language}
                                                                                                    if __name__ == "__main__":
                                                                                                        test_city_country()
               return f"{city.title()}, {country.title()}"
                                                                                                        print("Test passed!")
            _name__ == "__main__":
            print(city_country("santiago", "chile"))
            print(city_country("tokyo", "japan", population= 934890))
print(city_country("paris", "france", population= 412142, language="")
                                                                                                             \Sigma Python - module-7 + \vee \square \square \cdots \wedge \times
PROBLEMS (5) OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS
   module=7 git:(main) x /Users/antondecesare/.pyenv/versions/3.10.2/bin/python /Users/antondecesare/Bellevue/AdvPython/csd/csd-325/module= **
7/test_cities.py
Test passed!

→ module-7 git:(main) x ■
```

```
♦ test_cities.py U ×
                                                                                                                                       module-7 > d test_cities.py >
module-7 > ♦ city_functions.py > ♦ city_country
         Tabnine | Edit | Test | Explain | Document | As
                                                                                                                                               from city_functions i
        def city_country(city, country, language=None, population=None):
   if population and language:
                  return f"{city.title()}, {country.title()} - population {population}, language {language}"
                                                                                                                                                def test_city_country
             elif population and not language:
                                                                                                                                                     result = city_cou
                return f"{city.title()}, {country.title()} - population {population}"
                                                                                                                                                     assert result ==
             elif language and not population:
             return f"{city.title()}, {country.title()}, {language}"
                                                                                                                                                if __name__ == "__mai
                                                                                                                                                     test_city_country
                                                                                                                                                     print("Test passe
        if __name__ == "__main__":
    print(city_country("santiago", "chile"))
    print(city_country("tokyo", "japan", population= 934890))
    print(city_country("paris", "france", population= 412142, language="French"))
PROBLEMS 5 OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS
                                                                                                                      \Sigma Python - module-7 + \vee \square \square \cdots \wedge \times
→ module-7 git:(main) x /Users/antondecesare/.pyenv/versions/3.10.2/bin/python /Users/antondecesare/Bellevue/AdvPython/csd/csd-325/module-7/city_functions.py
Santiago, Chile
Tokyo, Japan - population 934890
Paris, France - population 412142, language French
```