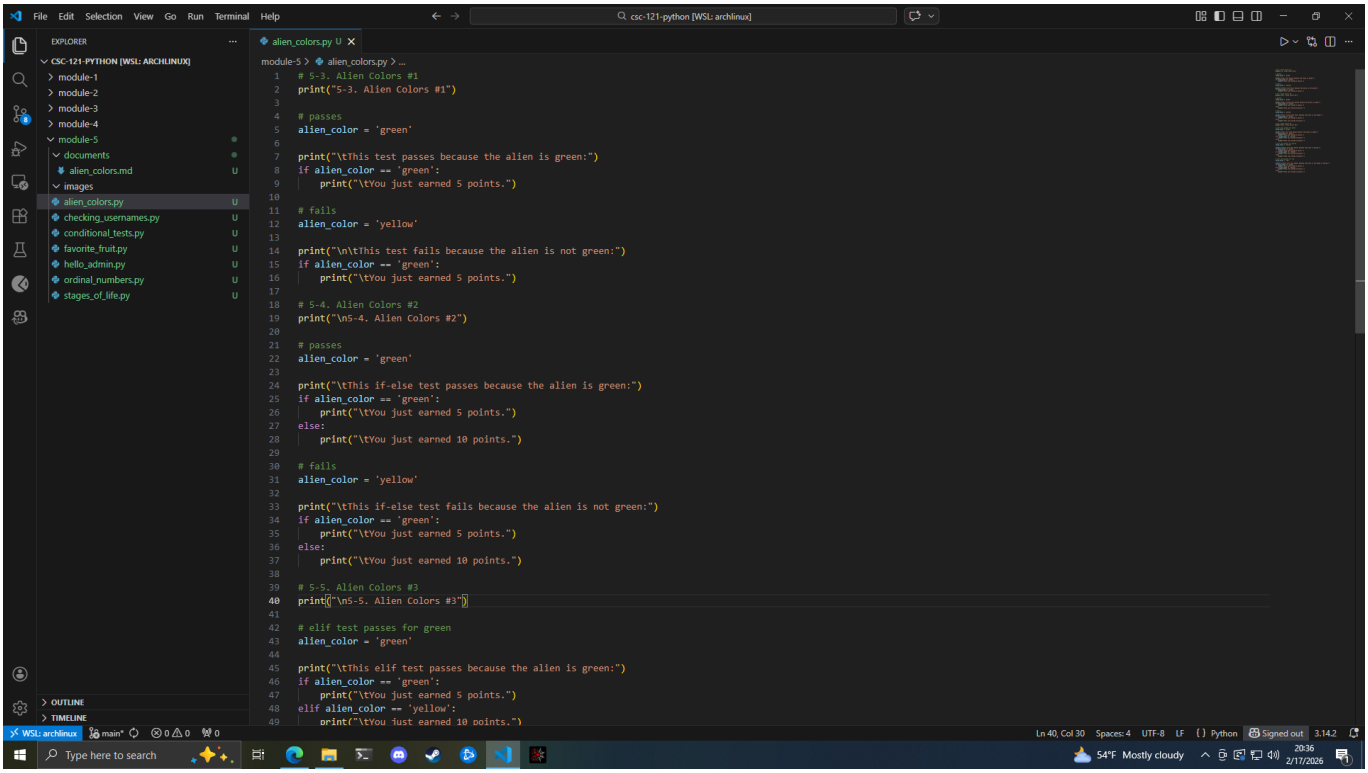
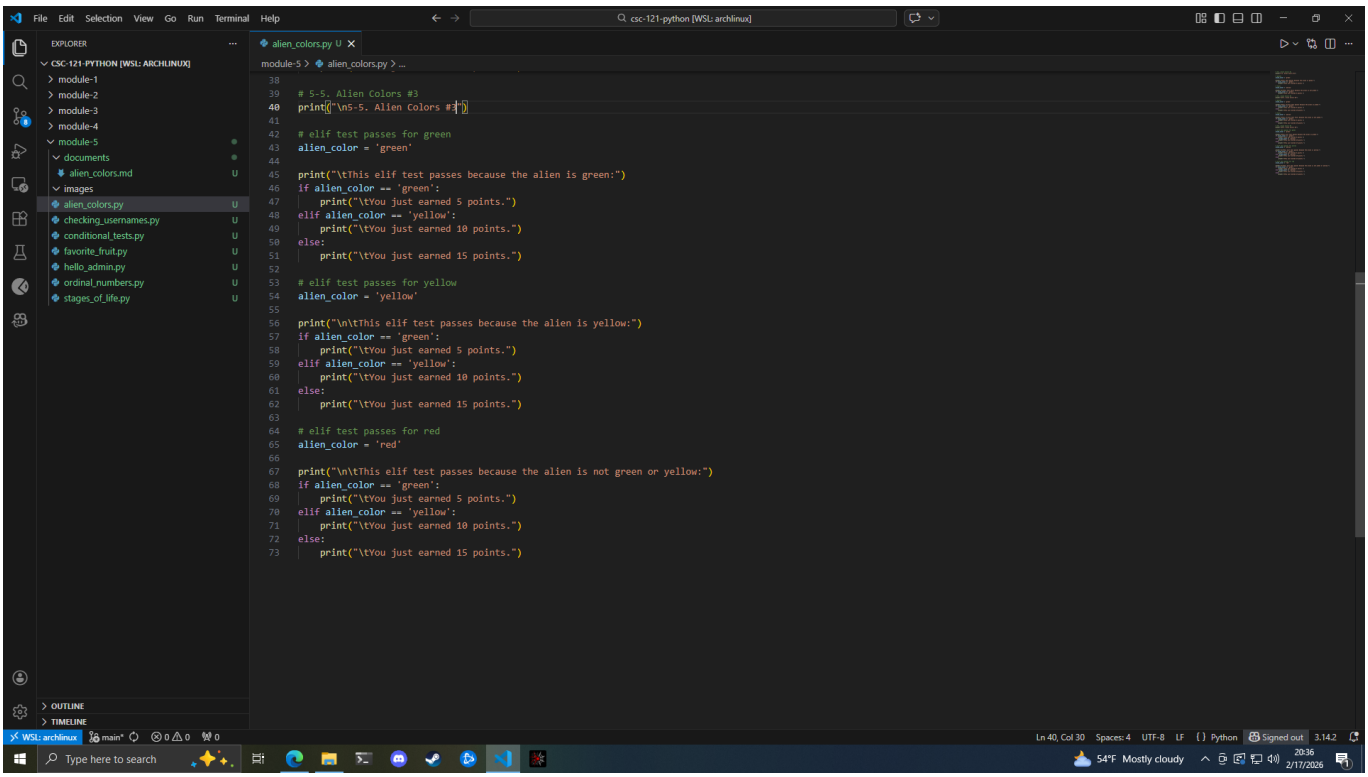
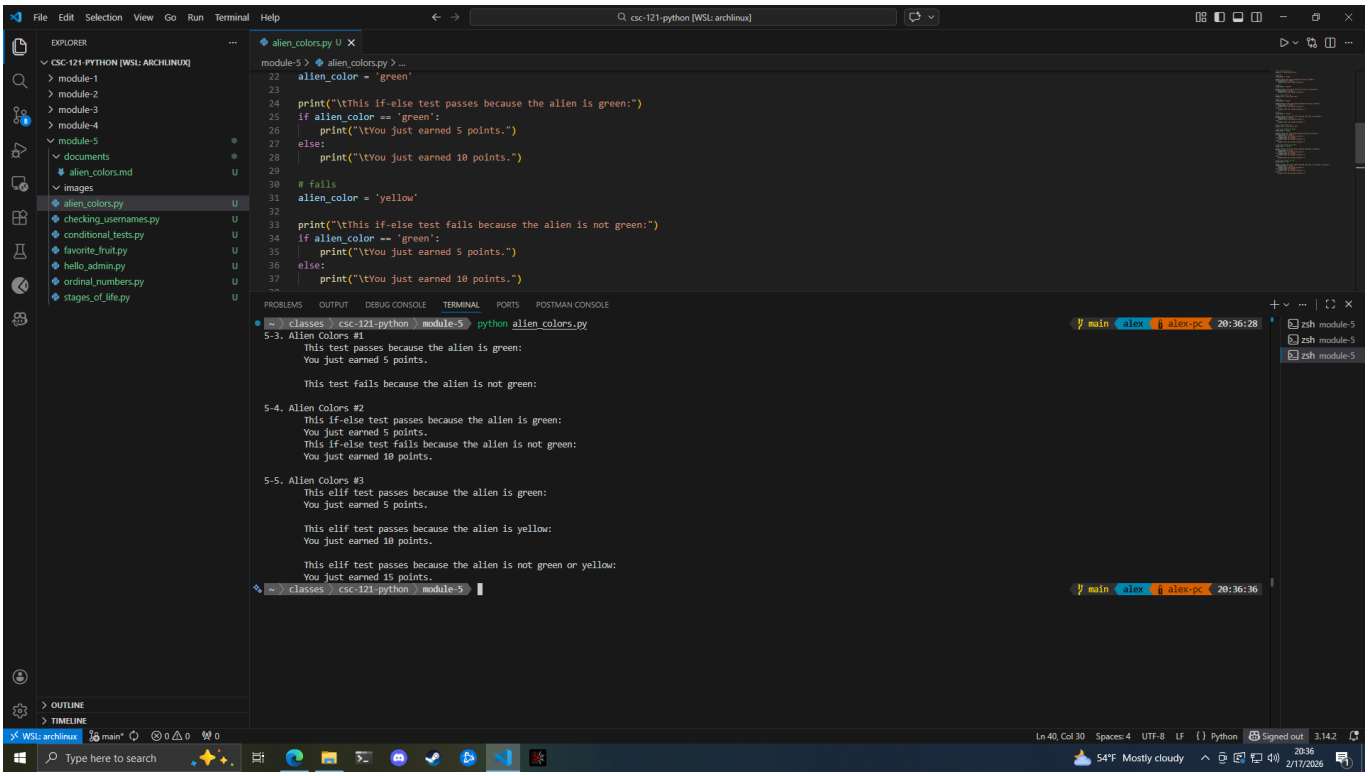
5-3, 5-4, and 5-5. Alien Colors



```
# 5-3. Alien Colors #1
print("5-3. Alien Colors #1")

# passes
alien_color = 'green'

print("\tThis test passes because the alien is green:")
if alien_color == 'green':
    print("\tYou just earned 5 points.")

# fails
alien_color = 'yellow'

print("\n\tThis test fails because the alien is not green:")
if alien_color == 'green':
    print("\tYou just earned 5 points.")

# 5-4. Alien Colors #2
print("\n5-4. Alien Colors #2")

# passes
alien_color = 'green'

print("\tThis if-else test passes because the alien is green:")
if alien_color == 'green':
    print("\tYou just earned 5 points.")
else:
    print("\tYou just earned 10 points.")

# fails
alien_color = 'yellow'

print("\tThis if-else test fails because the alien is not green:")
if alien_color == 'green':
    print("\tYou just earned 5 points.")
else:
    print("\tYou just earned 10 points.")

# 5-5. Alien Colors #3
print("\n5-5. Alien Colors #3")

# elif test passes for green
alien_color = 'green'

print("\tThis elif test passes because the alien is green:")
if alien_color == 'green':
    print("\tYou just earned 5 points.")
elif alien_color == 'yellow':
    print("\tYou just earned 10 points.")
```



```
# 5-5. Alien Colors #3
print("\n5-5. Alien Colors #3")

# elif test passes for green
alien_color = 'green'

print("\tThis elif test passes because the alien is green:")
if alien_color == 'green':
    print("\tYou just earned 5 points.")
elif alien_color == 'yellow':
    print("\tYou just earned 10 points.")
else:
    print("\tYou just earned 15 points.")

# elif test passes for yellow
alien_color = 'yellow'

print("\n\tThis elif test passes because the alien is yellow:")
if alien_color == 'green':
    print("\tYou just earned 5 points.")
elif alien_color == 'yellow':
    print("\tYou just earned 10 points.")
else:
    print("\tYou just earned 15 points.")

# elif test passes for red
alien_color = 'red'

print("\n\tThis elif test passes because the alien is not green or yellow:")
if alien_color == 'green':
    print("\tYou just earned 5 points.")
elif alien_color == 'yellow':
    print("\tYou just earned 10 points.")
else:
    print("\tYou just earned 15 points.")
```


File Edit Selection View Go Run Terminal Help
csc-121-python [WSL: archlinux]
EXPLORER
CSC-121-PYTHON [WSL: ARCHLINUX]
module-1
module-2
module-3
module-4
module-5
documents
alien_colors.md
images
alien_colors.py
checking_usernames.py
conditional_tests.py
favorite_fruit.py
hello_admin.py
ordinal_numbers.py
stages_of_life.py
OUTLINE
TIMELINE
alien_colors.py U
module-5 > alien_colors.py > ...
22 alien_color = 'green'
24 print("\tThis if-else test passes because the alien is green:")
25 if alien_color == 'green':
26 print("\tYou just earned 5 points.")
27 else:
28 print("\tYou just earned 10 points.")
30 # fails
31 alien_color = 'yellow'
33 print("\tThis if-else test fails because the alien is not green:")
34 if alien_color == 'green':
35 print("\tYou just earned 5 points.")
36 else:
37 print("\tYou just earned 10 points.")
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS POSTMAN CONSOLE
~ > classes > csc-121-python > module-5 python alien_colors.py
main alex alex-pc 20:36:28
5-3. Alien Colors #1
This test passes because the alien is green:
You just earned 5 points.
This test fails because the alien is not green:
5-4. Alien Colors #2
This if-else test passes because the alien is green:
You just earned 5 points.
This if-else test fails because the alien is not green:
You just earned 10 points.
5-5. Alien Colors #3
This elif test passes because the alien is green:
You just earned 5 points.
This elif test passes because the alien is yellow:
You just earned 10 points.
This elif test passes because the alien is not green or yellow:
You just earned 15 points.
~ > classes > csc-121-python > module-5
main alex alex-pc 20:36:36
zsh module-5
zsh module-5
zsh module-5
WSL: archlinux
main*
Ln 40, Col 30 Spaces: 4 UTF-8 LF Python Signed out 3.14.2
Type here to search
54°F Mostly cloudy
20:36
2/17/2026