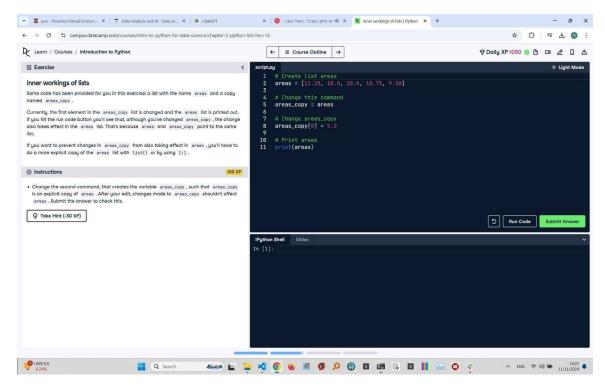
Inner Workings of Lists - Python Exercise

Below is the image provided along with the recreated question, terminal output, and answer:



Recreated Question and Terminal

Inner Workings of Lists

Some code has been provided for you in this exercise: a list with the name areas and a copy named areas_copy.

Currently, the first element in the areas_copy list is changed and the areas list is printed out. If you hit the run code button you'll see that, although you've changed areas_copy, the change also takes effect in the areas list. That's because areas and areas_copy point to the same list.

If you want to prevent changes in areas_copy from also taking effect in areas, you'll have to do a more explicit copy of the areas list with list() or by using [:].

Instructions:

- Change the second command that creates the variable areas_copy, such that areas_copy is an explicit copy of areas. After your edit, changes made to areas copy shouldn't affect areas. Submit the answer to check this.

Corrected Answer

```
# Create list areas
areas = [11.25, 18.0, 20.0, 10.75, 9.50]
# Make an explicit copy of areas
areas_copy = areas[:]
# Change areas_copy
areas_copy[0] = 5.0
# Print areas
print(areas)
```

Explanation of the Corrected Answer

The code uses slicing to create an explicit copy of the areas list. areas_copy = areas[:] ensures that areas_copy is a separate list. Changes to areas_copy, like modifying the first element, do not affect the original areas list. The original list is then printed to confirm.