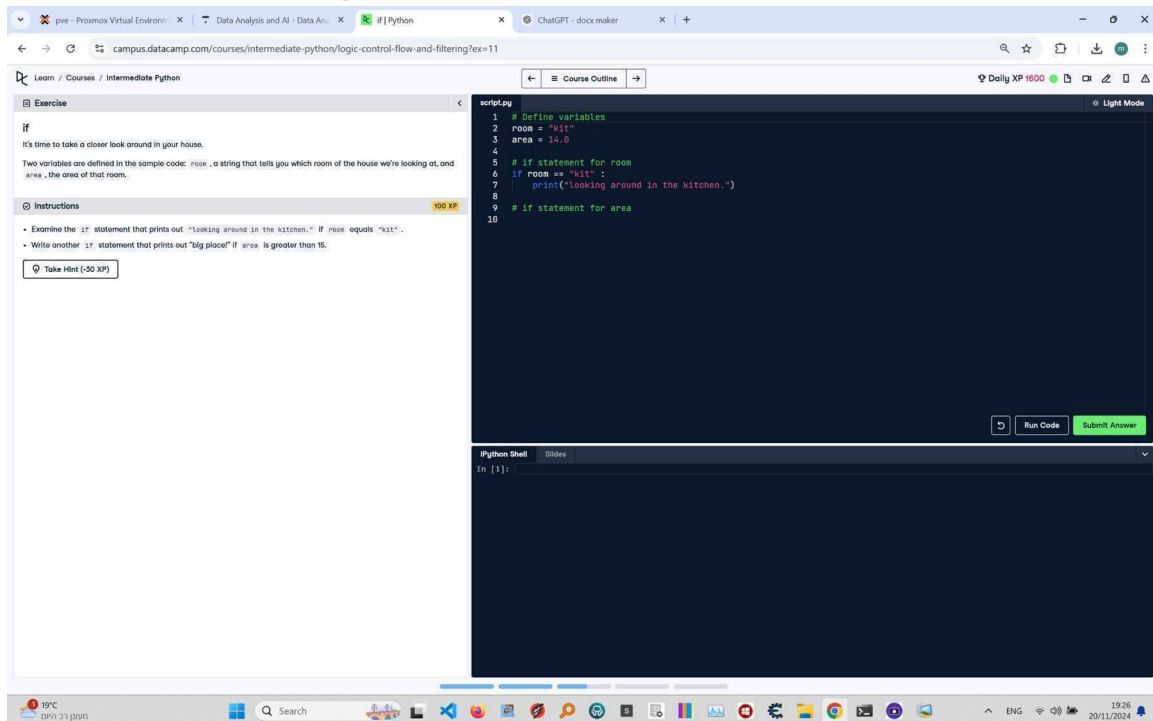


# if Statement in Python



**\*\*Question:\*\***

Two variables are defined in the sample code: `room`, a string that tells you which room of the house we're looking at, and `area`, the area of that room.

1. Examine the `if` statement that prints out "Looking around in the kitchen." if `room` equals "kit".
2. Write another `if` statement that prints out "big place!" if `area` is greater than 15.

**\*\*Answer:\*\***

Here is the Python code that solves the problem:

```
# Define variables
room = "kit"
area = 14.0
```

```
# if statement for room
if room == "kit":
    print("looking around in the kitchen.")
```

```
# if statement for area
```

```
if area > 15:  
    print("big place!")
```

**\*\*Explanation:\*\***

1. **\*\*Variable Initialization\*\***: The ``room`` variable is set to the string "kit" and the ``area`` variable is set to 14.0.
2. **\*\*First if statement\*\***: The ``if`` condition checks whether the value of ``room`` equals "kit". If true, it prints "looking around in the kitchen.".
3. **\*\*Second if statement\*\***: The ``if`` condition checks whether the value of ``area`` is greater than 15. Since 14.0 is not greater than 15, this block does not execute. If the value of ``area`` was greater than 15, it would print "big place!".