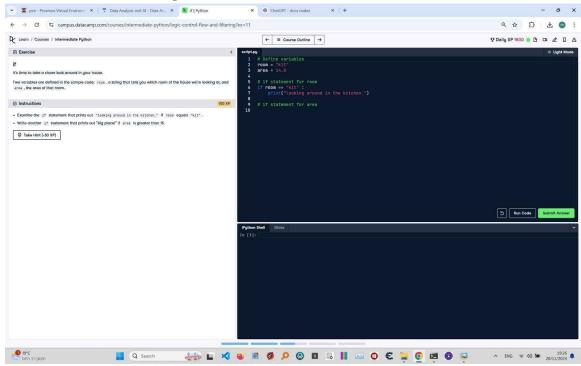
if Statement in Python



Ouestion:

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!".