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1 import sys
2 activated_drone = "drone_15"
3 drones_in_response_radius_names = ["drone_13", "drone_14", "drone_16"]
4 drones_in_response_radius_altitude = [0, 0, 0]
5 altitude_set = False
6 number_of_drones = len(drones_in_response_radius_altitude)
7 altitude = 200
8 drone_iterator_2 = 0
9 temporary_altitude_placeholder = 0
10 temporary_name_placeholder = 0
11 while drone_iterator_2 < number_of_drones:
12     drone_iterator = (drone_iterator_2) + 1
13     while drone_iterator < number_of_drones:
14         if drones_in_response_radius_altitude[drone_iterator] < drones_in_response_radius_altitude[drone_iterator_2]:
15             temporary_altitude_placeholder = drones_in_response_radius_altitude[drone_iterator_2]
16             temporary_name_placeholder = drones_in_response_radius_names[drone_iterator_2]
17             drones_in_response_radius_altitude[drone_iterator_2] = drones_in_response_radius_altitude[drone_iterator]
18             drones_in_response_radius_names[drone_iterator_2] = drones_in_response_radius_names[drone_iterator]
19             drones_in_response_radius_altitude[drone_iterator] = temporary_altitude_placeholder
20             drones_in_response_radius_names[drone_iterator] = temporary_name_placeholder
21             drone_iterator += 1
22         else:
23             drone_iterator += 1
24     drone_iterator_2 += 1
25 drone_iterator = 0
26 if all (x != 200 for x in drones_in_response_radius_altitude):
27     activated_drone_altitude = altitude
28     altitude_set = True
29 else:
30     while altitude_set == False:
31         while drone_iterator < number_of_drones:
32             if altitude == drones_in_response_radius_altitude[drone_iterator]:
33                 altitude += 50
34                 drone_iterator += 1
35             elif drones_in_response_radius_altitude[drone_iterator] == 0:
36                 drone_iterator += 1
37             else:
38                 activated_drone_altitude = altitude
39                 altitude_set = True
40                 drone_iterator = number_of_drones
41         activated_drone_altitude = altitude
42         altitude_set = True
43     drone_iterator = number_of_drones
44 display = "Activated drone (" + activated_drone + ") altitude = "
45 display += str(activated_drone_altitude) + "\nNearby drones:\n"
46 sys.stdout.write(display)
47 drone_iterator = 0
48 while drone_iterator < number_of_drones:
49     display = drones_in_response_radius_names[drone_iterator] + ": "
50     display += str(drones_in_response_radius_altitude[drone_iterator]) + "\n"
51     sys.stdout.write(display)
52     drone_iterator += 1
53

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>>>
= RESTART: /Users/alirichards7/Documents/Introduction to IT/Assignment 2/altitude_selector.py
Activated drone (drone_15) altitude = 200
Nearby drones:
drone_13: 0
drone_14: 0
drone_16: 0
>>>
= RESTART: /Users/alirichards7/Documents/Introduction to IT/Assignment 2/altitude_selector.py
Activated drone (drone_15) altitude = 250
Nearby drones:
drone_14: 0
drone_16: 0
drone_13: 200
>>>
= RESTART: /Users/alirichards7/Documents/Introduction to IT/Assignment 2/altitude_selector.py
Activated drone (drone_15) altitude = 250
Nearby drones:
drone_13: 0
drone_16: 0
drone_14: 200
>>>
= RESTART: /Users/alirichards7/Documents/Introduction to IT/Assignment 2/altitude_selector.py
Activated drone (drone_15) altitude = 250
Nearby drones:
drone_13: 0
drone_14: 0
drone_16: 200
>>>
= RESTART: /Users/alirichards7/Documents/Introduction to IT/Assignment 2/altitude_selector.py
Activated drone (drone_15) altitude = 250
Nearby drones:
drone_16: 0
drone_14: 200
drone_13: 500
>>>
= RESTART: /Users/alirichards7/Documents/Introduction to IT/Assignment 2/altitude_selector.py
Activated drone (drone_15) altitude = 350
Nearby drones:
drone_14: 200
drone_16: 250
drone_13: 300
>>>
= RESTART: /Users/alirichards7/Documents/Introduction to IT/Assignment 2/altitude_selector.py
Activated drone (drone_15) altitude = 200
Nearby drones:
drone_16: 250
drone_13: 300
drone_14: 3500
>>> |
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nearby drones:
drone_14: 0
drone_13: 200
drone_16: 250
>>>
= RESTART: /Users/alirichards7/Documents/Introduction to IT/Assignment 2/altitude_selector.py
Activated drone (drone_15) altitude = 200
Nearby drones:
drone_16: 0
drone_14: 250
drone_13: 300
>>>
= RESTART: /Users/alirichards7/Documents/Introduction to IT/Assignment 2/altitude_selector.py
Activated drone (drone_15) altitude = 200
Nearby drones:
drone_13: 0
drone_16: 0
drone_14: 250
>>>
= RESTART: /Users/alirichards7/Documents/Introduction to IT/Assignment 2/altitude_selector.py
Activated drone (drone_15) altitude = 300
Nearby drones:
drone_16: 200
drone_14: 250
drone_13: 350
>>>
= RESTART: /Users/alirichards7/Documents/Introduction to IT/Assignment 2/altitude_selector.py
Activated drone (drone_15) altitude = 300
Nearby drones:
drone_12: 0
drone_a: 0
drone: 0
drone_16: 200
drone_14: 250
drone_13: 350
drone_beta: 400
drone_0: 500
drone_X: 600
>>>
= RESTART: /Users/alirichards7/Documents/Introduction to IT/Assignment 2/altitude_selector.py
Activated drone (drone_15) altitude = 450
Nearby drones:
drone_16: 200
drone_14: 250
drone: 300
drone_13: 350
drone_a: 400
drone_X: 400
drone_beta: 500
drone_12: 600
drone_0: 700
>>> |
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