Question 1
Which of the following statements correctly describe strings? Select all that apply. 1 / 1 point
Strings are immutable.
Correct
Strings must be placed in quotation marks. Strings are also immutable. This means they cannot be changed after they are created and assigned a value.
Strings must be placed in brackets ([ ]).
Strings must be placed in quotation marks (" ").
Correct
Strings must be placed in quotation marks. Strings are also immutable. This means they cannot be changed after they are created and assigned a value.
Strings cannot contain numeric characters.

Question 2
What does the following code return?
device_id = "uu0ktt0vwugjyf2"
print(device_id[2:5])
1 / 1 point
"0ktt"
"u0kt"
"0kt"
"u0k"
Correct
This code returns "0kt". It uses bracket notation to take a slice of the value contained in the device_id variable.  Indices start at 0 in Python. It extracts the characters at indices 2, 3, and 4. The character at index 5 is excluded from the slice.

Question 3
What does the following code display?
device_id = "Tj1C58Dakx"
print(device_id.lower())
1 / 1 point
"tj1C58Dakx"
"tj1c58dakx"
"Tj1C58Dakx"
"TJ1C58DAKX"
Correct
This code displays "tj1c58dakx". The .lower() method converts all uppercase characters into lowercase characters.

Question 4
You want to find the index where the substring "192.168.243.140" starts within the string contained in the variable ip_addresses. Complete the Python code to find and display the starting index. (If you want to undo your changes to the code, you can click the Reset button.)

```
ip_addresses = "192.168.140.81, 192.168.109.50, 192.168.243.140"
start_index = ip_addresses.find("192.168.243.140")
print(start_index)
```

What index does the substring "192.168.243.140" start at?
1 / 1 point
33
31
34
32
Correct
The substring "192.168.243.140" starts at index 32. You can determine this using the code ip_addresses.index("192.168.243.140"). Note that Python indices start at 0.