1. Which line of code converts the integer 7 to a string?

○ `string(7)`

○ `string("7")`

◉ `str(7)`

○ `str("7")`

✓ Correct

2. Which line of code returns a copy of the string `"HG91AB2"` as `"hg91ab2"`?

◉ `print("HG91AB2".lower())`

○ `print("HG91AB2"(lower))`

○ `print(lower("HG91AB2"))`

○ `print(lower."HG91AB2"())`

✓ Correct

3. What is the index of the character `"4"` in the string `"h204D3921"`?

◉ 3

○ 2

○ 4

○ 5

✓ Correct

4. You need to take a slice from an employee ID. Specifically, you must extract the characters with indices of 3, 4, 5, and 6. Complete the Python code to take this slice and display it. (If you want to undo your changes to the code, you can click the Reset button.)

```
1    employee_id = "w237x430y567"
2    print(### YOUR CODE HERE ###)
```

Run

Reset

```
Error on line 2:
    print(### YOUR CODE HERE ###)
                  ^
SyntaxError: unexpected EOF while parsing
```

What string does the code output?

○ `"x430"`

◉ `"7x43"`

○ `"237x"`

○ `"37x4"`

✓ Correct

5. What is the output of the following code?

```
username_list  = ["elarson", "bmoreno", "tshah"]

device_id_list = ["us2cOR5", "2R78TBR", "bt3MIEz"]

print(username_list + device_id_list)
```

◉ `["elarson", "bmoreno", "tshah", "us2cOR5", "2R78TBR", "bt3MIEz"]`

○ `["us2cOR5", "2R78TBR", "bt3MIEz", "elarson", "bmoreno", "tshah"]`

○ `["elarson", "us2cOR5", "bmoreno", "2R78TBR", "tshah", "bt3MIEz"]`

○ An error message

✓ Correct

6. A variable named `my_list` contains the list `[1,2,3,4]`. Which line of code adds the element `5` to the end of the list?

○ `my_list.insert(4,5)`

○ `my_list.insert(5,4)`

◉ `my_list.insert(5)`

○ `my_list.insert(5,5)`

⊗ **Incorrect**
Please review the video on list operations ↗.

7. Fill in the blank: A(n) _____ is a set of rules to solve a problem.

○ index

◉ algorithm

○ regular expression

○ append

✓ **Correct**

8. Which of the following strings would Python return as matches to the regular expression of `"\w+"`? Select all that apply.

☑ `"email@email.com"`

⊗ **This should not be selected**
Please review the video on regular expressions ↗.

☑ `"email123"`

✓ **Correct**

☑ `"9210"`

✓ **Correct**

☑ `"network"`

✓ **Correct**

9. You have imported the `re` module into Python with the code `import re`. Which code searches the `device_ids` string variable for a pattern of `"r15\w+"`?

◉ `re.findall("r15\w+", device_ids)`

○ `re.findall(device_ids, "r15\w+")`

○ `findall("r15\w+", device_ids)`

○ `findall(device_ids, "r15\w+")`

✓ **Correct**

10. What does the code `username_list.append("bmoreno")` method do?

○ Updates all instances of `"bmoreno"` in the `username_list` list to uppercase letters

◉ Adds `"bmoreno"` to the end of the `username_list` list

○ Inserts `"bmoreno"` at the beginning of the `username_list` list

○ Returns all matches to the pattern `"bmoreno"` in the `username_list` list

✓ **Correct**