Question 1
In a cybersecurity setting, which of these tasks would it be common to apply Python to? Select all that apply. 1 / 1 point
Automating how a log is read when responding to an incident
Correct
Automating several tasks from a playbook into one workstream
Correct
Reducing the effort needed to manage an access control list
Correct
Manually checking individual timestamps in a log

Question 2
What is the syntax problem in the following code?
if username == "aestrada":
print("username found") 1 / 1 point
The first line should be indented one space, and the second line should be indented two spaces.
The line with print("username found") is not indented.
Both lines are not indented.
The line with if username == "aestrada": is not indented.
Correct

Question 3
Which of these are string data? Select all that apply. 1 / 1 point
"user1"
Correct
100
"100"
Correct
[100, 200, 300]

Question 4
Which line of Python code would create a Boolean value of True? 1 / 1 point
print(25<24)
print(10<100)
print("True")
print(["Boolean"])
Correct

Question 5
What are the variables in the following code? Select all that apply.
username = "kcarter"
attempts = 5
print(username)
print(attempts)
print("locked") 1 / 1 point
"kcarter"
username
Correct
"locked"
attempts
Correct

Question 6
Fill in the blank: If you ran the following code, the output would _____. var1 = 9.5

var1_type = type(var1)
print(var1_type) 1 / 1 point
reassign var1 as float data
reassign var1 as string data
indicate that var1 contains float data
output 9.5 to the screen
Correct

Question 7
You are implementing security measures on a server. If a user has more than 3 failed login attempts, the program should print "locked out". The number of failed login attempts is stored in a variable called failed_attempts. Which conditional statement has the correct syntax needed to do this? 1 / 1 point

```
if failed_attempts >= 3
   print("locked out")
```

```
if failed_attempts > 3:
   print("locked out")
```

```
if failed_attempts <= 3:
   print("locked out")
```

```
if failed_attempts < 3
   print("locked out")
```
Correct

Question 8
You have written the following code:

```
if operating_system == "OS 3":
   print("Updates needed")
```

You want to add to it so that it will print a "No updates needed" message whenever the value of operating_system is not "OS 3". Which lines of code have the correct syntax to do this? 1 / 1 point

```
else operating_system != "OS 3":
   print("No updates needed")
```

```
else
   print("No updates needed")
```

```
else:
   print("No updates needed")
```

```
elif operating_system == "OS 3":
   print("No updates needed")
```

Correct

Question 9
What iterative statement should you use if you want to print the numbers 1, 2, and 3? 1 / 1 point

```
for i in [1,3]:
   print(i)
```

```
for i in [1, 2, 3]:
   print(i)
```

```
for i in range(1,3):
   print(i)
```

```
for i in range(0,3):
   print(i)
```

Correct

Question 10
If you want to run a loop that repeats if a count variable is less than 50, what code should your loop header contain? 1 / 1 point

```
while count < 50:
```

```
while count == 50:
print(50)
count = count + 50
```

Correct