1.	Fill in the blank: Automation is	1/1 point
	the use of technology to reduce human and manual effort to perform common and repetitive tasks	
	the combination of technology and manual effort to complete a task	
	the replacement of existing technology	
	the use of human and manual effort to reduce technological power consumption	
	⊘ Correct	
	The purpose of the following code is to print an "Attempting connection" message while the value of the count variable is less than 10. The value of count should increase by 1 with each iteration of the loop. What is	1/1 point
	wrong with the code? Select all that apply.	
	count = 1	
	while count < 10:	
	print("Attempting connection")	
	count = count + 1	
	✓ The line with print("Attempting connection") is not indented.	
	⊘ Correct	
	✓ The line with count = count + 1 is not indented.	
	The line with count = 1 is not indented	
	The line with while count < 10: is not indented.	
3.	Which of these are string data? Select all that apply.	1/1 point
	✓ "user1"	1/1 point
	⊘ Correct	
	"100"	
	⊘ Correct	
	□ 100	
	[100, 200, 300]	
4.	What are possible values for the Boolean data type? Select all that apply.	1/1 point
	✓ False	
	⊘ Correct	
	✓ True	
	Correct	
5.	What are the variables in the following code? Select all that apply.	1/1 point
	username = "kcarter"	
	attempts = 5	
	print(username)	
	print(attempts)	
	print("locked")	
	"kcarter"	
	✓ attempts	
	⊘ Correct	
	locked"	
	✓ username	

```
6. What will this code do when you run it?
                                                                                                          1/1 point
   var2 = ["a","b","c"]
   var2_type = type(var2)
   print(var2_type)
      Print the string "var2 type" to the screen
   Indicate that var2 contains list data
      Change the data type of var2
   Output the characters "a", "b", and "c" to the screen
     ✓ Correct
7. You are implementing security measures on a server. If a user has more than 3 failed login attempts, the
                                                                                                          1/1 point
   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?
   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
8. You wrote the following code:
                                                                                                          1/1 point
   if attempts >= 5:
       print("locked")
   else:
       print("try again")
   If the value in the attempts variable is 3, what will Python do?
   First output the message "try again" and then output the message "locked"
   Output the message "try again"
   First output the message "locked" and then output the message "try again"
   Output the message "locked"
     ✓ Correct
9. What iterative statement can you use if you want to print "Security alert" five times?
                                                                                                          1/1 point
   for i in [0, 5]:
           print("Security alert")
   for i in range(6):
           print("Security alert")
   for i in range(5):
           print("Security alert")
   \bigcirc for i in range (1,5):
           print("Security alert")
     ✓ Correct
10. You want to print all even numbers between 0 and 10 (in other words, 0, 2, 4, 6, 8, and 10). What should your
                                                                                                          0 / 1 point
   next line of code be?
   count = 0
   while count <= 10:
       print(count)
      count = count + 2
   ount = count + 1
      count = 1
      if count < 10:
     (X) Incorrect
        Diagon review the video on while leans IZ
```