. What are the three types of errors you will encounter while debugging?	1/1 point
Exceptions, logic errors, iterative errors	
Syntax errors, logic errors, and exceptions	
O Logic errors, comment errors, and iterative errors	
Syntax errors, exceptions, and comment errors	
. The purpose of the following code is to print the characters in a device ID. Run this code, analyze its output, and then debug it. (If you want to undo your changes to the code, you can click the Reset button.)	1/1 point
1 device_id = "p35rv47	
2 for char in device_id: 3 print(char)	
Run	
Reset	
What is the error related to?	
A missing quotation mark (")	
A missing double equals sign (==)	
○ A misspelled variable	
A missing colon (:)	
⊘ Correct	
 The purpose of the following code is to iterate through a list and print a warning message if it finds "user3" in the list. Run this code, analyze its output, and debug it. (If you want to undo your changes to the code, you can click the Reset button.) 	1/1 point
1 list = ["user1", "user2", "user4"]	
2 for user in list: 3 if user != "user3":	
4 print("Warning: user3 should not access the system.")	
Reset	
How can you fix the error?	
Change the indentation so that the line that prints the warning is not indented.	
Change "user3" to "user2" in the conditional.	
Change "user3" to "user1" in the conditional.	
Change the != operator to the == operator in the conditional.	
⊘ Correct	
You did not define a function before calling it. What type of error is this?	0/1 point
○ Logic error	
○ Exception	
Syntax error	
O Index out of bounds	
⊗ Incorrect	
Review the video on strategies for debugging code [2].	
. Why might you use print statements when debugging code?	1/1 point
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 ○ To prevent errors from occurring ○ To create error messages 	
To add missing syntax to the code	
To identify which sections of the code are working properly	
⊘ Correct	

If you want to read a file called "logs.txt", which line of code allows you to open this file for purposes of reading it and store it in a variable called file?	1/1 point
<pre>with open("logs.txt", file, "r"):</pre>	
with open("logs.txt", "r") as file:	
<pre>with file.open("logs.txt", "r"):</pre>	
<pre>with open(file, "r") as logs.txt:</pre>	
⊘ Correct	
You've read a log file into the variable file_text. The file_text variable contains a string of 50 usernames of employees at your company. In order to pass it into a function that checks the login count of each user, the string should be divided into a list of separate usernames. How do you convert this string into a list and store it in a variable usernames?	1/1 point
<pre>usernames = usernames.split(file_text)</pre>	
<pre> usernames = file_text.split() </pre>	
<pre>usernames = split(usernames, file_text)</pre>	
<pre>file_text.split() as usernames</pre>	
⊘ Correct	
Fill in the blank: If you use the .split() method to convert a string into a list so that it can be read more easily, this would be an example of	1/1 point
O debugging	-,
Slicing	
parsing	
O dividing	
⊘ Correct	
(c) Contect	
What does the following code do?	1/1 point
<pre>new_format = old_format.read()</pre>	
O Detects certain text patterns in old_format	
Inserts the string stored in the new_format variable into the file stored in the old_format variable	
Prints the contents of old_format	
Reads the old_format variable, which contains a file, and stores it as a string in new_format	
⊘ Correct	
 You want to check for unusual login activity. Specifically, you want to read a log file that contains information on each login attempt, including whether it failed or was successful. You should then parse the data into a logins list, and then you should separate all failed log entries into a separate failed_logins list. If you want to automate this through Python, what would be part of your code? Select three answers. 	1/1 point
A counter variable to keep track of the number of failed logins	
A split () function to split the login information into a list	
⊘ Correct	
✓ A for loop to iterate through all items in the logins list	
⊘ Correct	
✓ An if statement to check if a login attempt failed	
⊘ Correct	