

Directions: Look at the given code in the sections given below on the right. Find all the syntax errors in the codes given and explain why there are errors. Give your explanations of the error you detected on the right.

<u>Code</u>	<u>Syntax error detected explanation</u>
<p>Find potential sources of runtime errors in this code snippet:</p> <pre>for x in range(a, b): print("(%f, %f, %f)" % my_list[x])</pre>	
<p>Find potential sources of runtime errors in this code snippet:</p> <pre>dividend = float(input("Please enter the dividend: ")) divisor = float(input("Please enter the divisor: ")) quotient = dividend / divisor quotient_rounded = math.round(quotient)</pre>	
<p>Find potential sources of runtime errors in this code snippet:</p> <pre>for x in range(a, b): print("(%f, %f, %f)" % my_list[x])</pre>	
<p>Find potential sources of logic errors in this code snippet:</p> <pre>product = 0 for i in range(10): product *= i sum_squares = 0 for i in range(10): i_sq = i**2 sum_squares += i_sq nums = 0 for num in range(10): num += num</pre>	

Lesson Description: This assignment would be given to students to help them develop their skills in python and detecting syntactical errors. The students would read the code descriptions given on the left and then detect the errors given with an explanation of why that line of code would not work.