# Python code containing errors.

def calculate\_future\_value (monthly\_investment, yearly\_interest, years)

# convert yearly values to monthly values

monthly\_interest\_rate = yearly\_interest / 12 / 100

months = years \* 12

# calculate future value

future\_value = 0.0

for i in range(1, months)

future\_value += monthly\_investment\_amount

monthly\_interest = future\_value \* monthly\_interest\_rate

future\_value += monthly\_interest

return future value

1. The above code contains a syntax error, can you find it? What is the error? Which line is it on?

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| Missing “:” on line 8, def is missing a “:” on line 1 |

1. The above code also contains a runtime error (an exception). Can you find it? What is the error? Which line is it on.

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| Not going to calculate all months when using range, on line 8 |

1. Type the following code into your editor and run the code.  
     
   sales\_amount = 74.95  
   discount = sales\_amount \* .1  
   print (discount)  
     
   The answer that is displayed is not what you would expect. How could you correct this?

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| Round the sales\_amount \* .1 to 2 decimal places. |

Why do you think this happened?

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| bcuz |