**Student Questions:**

A resource for Python Style guidelines mal be found here:

[https://www.python.org/dev/peps/pep-0008/#naming-conventions](https://www.python.org/dev/peps/pep-0008/)

1. Identify which of the following are valid Python variable names (even if they do not follow the mixedCase style guidelines).

|  |  |
| --- | --- |
|  | True / False |
| StudentNumber | True |
| 5thRow | False |
| else | false |
| break | false |
| Row\_5 | True |

1. Identify which of the following are valid Python variable names that also follow the mixedCase style guidelines.

|  |  |
| --- | --- |
|  | True / False |
| StudentNumber | false |
| studentNumber | True |
| Row | false |
| row5 | True |
| Row5 | false |

1. Summarize the difference between a *syntax error* and a *run-time* error.

The run-time error is when a program will not run as the program does not understand what the variable means and syntax errors occur when typos are made and they help fix the errors.

1. Write an expression that calculates the cost of 6 slices of pizza at 2 dollars a slice assigns the result to a variable in RAM memory. Use proper style and meaningful names for your variables.

pizzaCost = 6 \* 2

print ("Sir, that would cost" , pizzaCost)

1. Write an expression that calculates the cost of a variable number slices of pizza at 2 dollars a slice assigns the result to a variable in RAM memory. Use proper style and meaningful names for your variables.

pizzaSlice = int(input ("How many pizza slices will you like to order?"))

totalCost = pizzaSlices \* 2

print ("Sir, that would cost" , totalCost)

1. Write a program that gets the number of slices from the console input, uses your expression in #5 above, and prints out the result to the console output. Use proper style and meaningful names for your variables and meaningful messages for your input and print commands.

pizzaSlice = int(input ("How many pizza slices will you like to order?"))

totalCost = pizzaSlices \* 2

print ("Sir, that would cost" , totalCost)

1. Extend your program in #6 above to also calculate and print out the number of boxes of pizza if each box contains 8 slices.

pizzaSlices = int(input ("How many pizza slices will you like to order?"))

totalCost = pizzaSlices \* 2

amountOfBoxes = (pizzaSlices / 8)

if amountOfBoxes >= 1 :

print ("Sir, that would cost" , totalCost , "dollars for" , amountOfBoxes, "pizza boxes")

else :

print ("Sir, that would cost" , totalCost , "dollars")