**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 | T |
| 5thRow | F |
| else | T |
| break | T |
| Row\_5 | T |

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

|  |  |
| --- | --- |
|  | True / False |
| StudentNumber |  |
| studentNumber |  |
| row |  |
| row5 |  |
| Row5 |  |

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

**The difference between them is that in a run time, the code is correct, but the value of the variable has not been defined or is written post-luminary to the use of the variable. In a syntax error, there is a conflict between the code, this can range from common spelling mistakes to missing quotation marks.**

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.

**NumberOfSlices = float (6)**

**CostOfSlices = float (2)**

**TotalCostOfPizza = numberOfSlices\*costOfSlices**

**Print (totalCostOfPizza)**

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.

**NumberOfSlices= float (8)**

**CostOfSlices= float (2)**

**TotalCostOfPizza= umberOfSlices\*costOfSlices**

**Print (totalCostOfPizza)**

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.

           NumberOfSlices =  int(input( 8 )

           CostOfSlices =   float    (2)

           TotalCostOfPizza =    numberOfSlices \* costOfSlices

           Print    (totalCostOfPizza)

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.

           NumberOfSlices =  int(input( ) )

           CostOfSlices =   float    ( 2 )

           TotalCostOfPizza =    numberOfSlices \* costOfSlices

           BoxesOfPizza = NumberOfSlices / 8

           Print    (totalCostOfPizza)

                          Print (boxesOfPizza)

NumberOfSlices = int(input ("4"))

CostOfSlices = float    ( 2 )

TotalCostOfPizza = NumberOfSlices \* CostOfSlices

print ("totalCostOfPizza")

print ("boxesOfPizza")