

Python HW #1

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1. Which of the following are legitimate Python identifiers? **Bold** your answer.

martinBradley **C3P_OH** **Amy3** ~~3Right~~ **Print**

2. What is the output from the following fragment of Python code?

```
myVariable = 65  
myVariable = 65.0  
myVariable = "Sixty Five"  
print(myVariable)
```

Sixty Five

3. What is the value of *Average* after the following statements are executed?

```
Total = 277  
Number = 5  
Average = Total//Number
```

Average = 55

4. Write two Python statements to create a variable called quantity1 with initial value 5 and another variable called quantity2 **that uses a function** to convert the value of quantity1 to a floating number.

```
quantity1 = 5  
quantity2 = float(quantity1)
```

5. Write Python statements to compute the average of three integer quiz grades for a single student, whose name is John Smith. Decide what variables your program needs, create them with appropriate initial values, compute the average score, and print out the student's name and the average score value.

```
print('This program computes a student's quiz grade average\n')

studentName = 'John Smith'
gradesNeeded = 3
gradeIndex = 1
gradeAverage = 0
print('Your student's name:\t%s\n' % (studentName))

while gradesNeeded != 0:
    quizGrade = int(input("Please enter Quiz %02d Grade:\t" % (gradeIndex)))
    gradeAverage += quizGrade
    gradeIndex += 1
    gradesNeeded -= 1
gradeIndex -= 1
gradeAverage /= gradeIndex

print('\n%s has a Quiz Grade Average of: %.2f\n\n' % (studentName, gradeAverage))

#For Added Safety & CPU Optimization #Cleans Registers #Seems like sloppy Assignments, I think?
gradesNeeded = gradeIndex = gradeAverage = studentName = quizGrade = None
```

6. For the below Python statements, replace the “?” with the appropriate character and write out what is printed to the console window?

```
Name = "Sally Thomas"
Age = 22
ShoeSize = 7.5
print("My name is %? and I am %? years old and my shoe size is %?" % (Name, Age, ShoeSize))
```

```
print("My name is %s and I am %d years old and my shoe size is %.1f" % (Name, Age, ShoeSize))
```

7. Fix the below Python statement such that it does not give an error from the interpreter.

```
print("That dog doesn't play much")
```

```
print("That dog doesn't play much")
```