

CS 161 Exercise

Identifiers and Assignment Statements

Name: _____

Part One

State whether each of the following is a valid identifier (conforms to the rules of Python syntax). State what is wrong with any invalid identifier. Also comment if an identifier is legal but fails to follow conventions.

- 1) 1stPlaceWinner
- 2) grand_TOTAL
- 3) "weeklySales"
- 4) month12Summary
- 5) employee of the month
- 6) _student#
- 7) ThisWeeksSpecial

Part Two

Write an valid Python identifier for a variable that stores each of the following pieces of information, and state the data type that would be needed for each.

- 1) The first name of a customer.
- 2) The number of packages in inventory.
- 3) The average score for an entire class.
- 4) The letter grade for some student.
- 5) A student's social security number.

Part Three

"Pencil test" this set of instructions and show the resulting output. (Try to figure this out *without* using a computer).

```
x = 10
y = 5
z = 20
a = "Hello"
b = "10"
x = z / y
y = y + x
a = a + b + b
print "a is ", a
print "b is ", b
print "x is ", x
print "y is ", y
```