Exercise 3: More printing and yet more printing

By: Rahul Sharma   13 April, 2018

Hey, today's exercise is pretty straight forward. We are going to look at some more questions and code that yet again tells us in how many different ways we can make python print words, sentences and variables for us. This exercise requires no explanation as no new concept is introduced. We will just see the different ways and 'tricks' can be used to get to our desired output. So let's work on the exercises.

Exercise 3.1: More Printing

1. Create a file named **ex3_1.py** and type in the following code:

```
print "Mary had a little lamb."
print "Its fleece was white as %s." % 'snow'
print "And everywhere that Mary went."
print "." * 10 # what'd that do?
end1 = "C"
end2 = "h"
end3 = "e"
end4 = "e"
end5 = "s"
end6 = "e"
end7 = "B"
end8 = "u"
end9 = "r"
end10 = "g"
end11 = "e"
end12 = "r"
# watch that comma at the end. try removing it to see what happens
print end1 + end2 + end3 + end4 + end5 + end6,
print end7 + end8 + end9 + end10 + end11 + end12
```

2. Write a comment above each line describing what does it do.

NOTE: From now on, when you make mistakes, write down on a piece of paper what kind of mistake you made. When you go to the next exercise, look at the last mistakes you made and try not to make them in this new one. Remember that everyone makes mistakes. Programmers are like magicians who like everyone to think they are perfect and never wrong, but it's all an act. They make mistakes all the time.

Exercise 3.2: And yet more printing

1. Create a file name **ex3_2.py** and write the following code in it.

```
formatter = "%r %r %r %r"
print formatter % (1, 2, 3, 4)
print formatter % ("one", "two", "three", "four")
print formatter % (True, False, False, True)
print formatter % (formatter, formatter, formatter, formatter)
print formatter % (
"I had this thing.",
"That you could type up right.",
"But it didn't sing.",
"So I said goodnight."
)
```

2. Do your checks of your work, write down your mistakes, and try not to make them on the next exercise.

3. Notice that the last line of output uses both single- quotes and double- quotes for individual pieces. Why do you think that is?

Next Lesson: The return of Printing