



## Programming Exercise #2b: Opt-Out Task

For those of you familiar with Python, you may choose to opt-out of this assignment by demonstrating your understanding of and ability to work with variables.

Task: Write a program that meets the following requirements. Once you have it successfully running, show Mr. Z and he will give you credit.

1. It must have at least two comments
2. It must have at least three variables (at least one string and at least two numbers)
3. It must print at least four lines of "stuff"
4. It must print the variables two different ways (comma and %).
5. It must do at least one calculation with at least two "number" variables and assign the value produced to a third variable, which must be printed.

Below is an example of a program that meets the above requirements. NOTE: This is MUCH more extensive than yours needs to be!

```
1  #Programming Exercise 2a: How I'm Making Bank over My Summer
2  #by Your Name
3  #Created March 10th, 2014
4
5  first_job = "City Bakery"
6  second_job = "Google"
7  salary1 = 15 #dollars per hour
8  salary2 = 30 #dollars per hour
9  time1 = 3 #hours
10 time2 = 4.5 #hours
11
12 print
13 print "Over the summer, I'm exploring two passions!"
14 print "First, in the morning, I'll work as baker at %s." % first_job
15 print "There, I'll work for %d hours and I get paid %d dollars per hour." % (time1, salary1)
16
17 payperday1 = salary1 * time1
18 print "This means I will make $%d per day at %s" % (payperday1, first_job)
19
20 print
21 print "In the afternoon, I'll be at %s working as a computer programmer" % second_job
22 print "There, I'll work for %d hours and I get paid %d dollars per hour." % (time2, salary2)
23
24 payperday2 = salary2 * time2
25 print "This means I will make $%d per day at %s" % (payperday2, second_job)
26
27 total_Time = (time1 + time2) * 5
28 total_SalaryPerDay = (payperday1 + payperday2) * 5
29 print
30 print "So each week I will make" , total_SalaryPerDay , "dollars for" , total_Time , "hours."
31
32
33 print "Where do I make more you ask? Well, that's a silly question!"
34 if payperday1 > payperday2:
35     difference = payperday1 - payperday2
36     print "Daily I make %d dollars more money at %s than at %s." % (difference, first_job, second_job)
37 else:
38     difference = payperday2 - payperday1
39     print "Daily I make %d dollars more money at %s than at %s." % (difference, second_job, first_job)
40
```