CS 150 Lab 07

while Loops

Date: Tuesday, October 9, 2007

The purpose of today's lab is to for you to get some hands-on experience with the different things you can do with loops.

- Be sure your output looks exactly like the specified output.
- Be sure to submit each project to **CS150-01 Lab** when you are done.
- Show the instructor to TA your solution to each problem before submitting it.

Lab 7.1

For this lab, you will need to create a new Visual Studio project that will contain your source code. Name this project "07 1LoopsXXXXXXXX", replacing the XXXXXXXX with your PUNetID.

Write a program that will display all of the following. Your program should have one loop only!

Sample Input and Output:

*****	******	****		
*	Loopy	*		
*****	******	*****		
How many itera	ations would you l	like to loop? 5		
Iteration	Multiples of 2	Powers of 2		
1	2	2		
2	4	4		
3	6	8		
	8	16		
4	O	10		

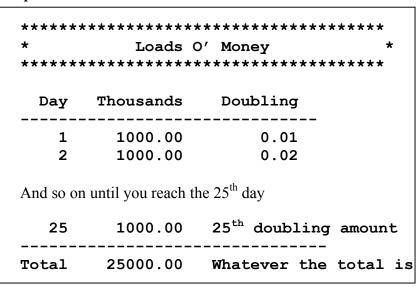
What loop will you have in your program? What is your counter? Write an outline here.						

Lab 7.2

For this lab, you will need to create a new Visual Studio project that will contain your source code. Name this project "07 2MoneyXXXXXXXX", replacing the XXXXXXXX with your PUNetID.

Determine whether you'd prefer to be paid \$1,000.00 a day for 25 days or a penny the first day, two pennies the second, four pennies the third day and so on, doubling the amount you made the previous day.

Sample input and output follow:



What loop will you have in your program? What is your counter? Write an outline here?					
What running totals will you need to keep track of?					