Python Level 2 Review

In case you haven't been coding on your own in Python during the last few months here is a few easy exercises to get you back into the swing of things:

Exercise#1

Write a program that asks the user for the length and width of a rectangle and then will calculate the area of that rectangle.

Exercise#2

Write a program which will find all the numbers between 1000 and 2200 which are divisible by 7 but are **not** divisible by 2 or 9. Please print each number to the screen.

Exercise#3

Create a program that does the following:

Given a word entered by the user, determine if the length of the word is odd or even and report your findings to the user:

Example:

```
Input:

Give me a word:  pizza

Output:

This word has an odd number of letters!
```

Exercise#4

Create a **list** of 7 colors. Using the **list**, make the Python turtle draw 7 squares filled in with each color. You must use a **for loop** to draw each of your squares. You need a second for loop it iterate through the list.

Exercise#5

Use a **while** loop to print out the following series of numbers:

```
2,4,6,8,10,12,14,16,18,20  # each number may appear on a separate line
```

Exercise#6

Write a program to accept a string from the user and display characters that are present at an even index number.

For example, `str = "walzlisthebest"` so you should display ‘w’, ‘l’, ‘l’, ‘s’.’h’,’b,’s’.

Exercise#7

The goal is to implement a simple calculator which takes ***strings*** of simple arithmetic problems from the user (*exactly* like the ones shown below) and then outputs the answer:

Examples:

`one.plus.two`	Should return 3
`five.minus.six`	Should return -1
`seven.times.two`	Should return 14
`nine.divided_by.three`	Should return 3

Your calculator only needs to work with the numbers 0 to 10. Your program shouldn’t terminate until the user types “done”.

PLEASE NOTE:

Make sure you have completed ALL assignments in **LEVEL 1** before you move on. **Include any previously completed LEVEL 1 assignments as part of this assignment**. Remember, there is no rush. You need to learn and review the basics before you’ll be ready to move ahead.