

# IT614

## Lab Assignment 4

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This assignment has two problems: Lab Assignment 4A and Lab Assignment 4B.

Grading policy: The Lab Assignment 4 is worth 15 points. You will receive 10 if you do only one (either one). The second one is 5 points.

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### Lab Assignment 4A

This following problem is done in my notes (page 44):

"The following example generates 10 sets of four of numbers between 1 and 6, and displays each time what kind of numbers were generated (four of a kind, three of a kind, two pairs, one pair or all distinct). The example uses a function."

Redo the program, using **while** loop instead of the **for** loop.

Name this file **Lab4A***YourLastName*.html. Example: Lab4ASmith.html.

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### Lab Assignment 4B

Write a program to input a four digit integer from prompt dialog box, and display the sum of the digits of the integer number.

Details:

Don't input one digit at a time.

You will be using only one prompt dialog box.

When I test your program, I will type a four digit integer.

Your program must display the sum of the digits. For example, if I input 1234, the output is 10. If I input 3546, the output is 18.

#### Hint:

This is a hint:

Let us take the number is, num = 4657.

See what the following code does,

```
digit1 = num%10;  
num2 = parseInt(num/10);
```

The value of digit1 is 7 and the value of num2 is 465. See how this code separates digit 7 from the number and the number with rest of the digits (465).

You should continue on this track until you recover all the four digits.

Name this file **Lab4B***YourLastName*.html. Example: Lab4BSmith.html.

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**What to submit:**

1. Upload both HTML files on to Vulcan under your public\_html. Test if the link works from your browser.
2. Send me an email to [IT614Assignment@gmail.com](mailto:IT614Assignment@gmail.com). Include in the same email the two links to your HTML files on Vulcan.
3. I will open each of the HTML files in Chrome browser. If the links don't work, you will automatically receive 0 for the assignment(s).
4. Both pages must display (in the browser) the following information: (i) Your full name (ii) Course number and (iii) Assignment number.
5. Include your name and assignment # in the email subject area.

If any of the above items are missing, you will not receive full credit.

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**REQUIRED:** After you submit your assignment this week post some comments on the Discussion Board about this week's work. Also include any interesting Web site you found on this week's material.

**If you don't post your comments on the Discussion Board before the Lab due date/time, you will lose two points from your lab score.**

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