

# Assignment - II

- **Write a Php code that accepts a string and calculates the number of uppercase letters and lowercase letters.**

Sample String : 'Hello Mr. Rogers, how are you this fine Tuesday?'

Expected Output :

No. of Uppercase characters : 4

No. of Lower case Characters : 33

- **SPY GAME: Write a function that takes in a list of integers and returns True if it contains 007 in order**

spy\_game([1,2,4,0,0,7,5]) --> True

spy\_game([1,0,2,4,0,5,7]) --> True

spy\_game([1,7,2,0,4,5,0]) --> False

- **Go through the string below and if the length of a word is even print "even!"**

\$st = 'Print every word in this sentence that has an even number of letters'

- **Write a program that prints the integers from 1 to 100. But for multiples of three print "Fizz" instead of the number, and for the multiples of five print "Buzz". For numbers which are multiples of both three and five print "FizzBuzz".**
- **Given a time in -hour AM/PM format, convert it to military (24-hour) time.**

**Note: - 12:00:00AM on a 12-hour clock is 00:00:00 on a 24-hour clock.**

**- 12:00:00PM on a 12-hour clock is 12:00:00 on a 24-hour clock.**

**Example**

- **Return '12:01:00'.**
- **Return '00:01:00'.**

# Guessing Game Challenge

Let's use while loops to create a guessing game.

The Challenge:

Write a program that picks a random integer from 1 to 100, and has players guess the number. The rules are:

1. If a player's guess is less than 1 or greater than 100, say "OUT OF BOUNDS"
2. On a player's first turn, if their guess is
  - within 10 of the number, return "WARM!"
  - further than 10 away from the number, return "COLD!"
3. On all subsequent turns, if a guess is
  - closer to the number than the previous guess return "WARMER!"
  - farther from the number than the previous guess, return "COLDER!"
4. When the player's guess equals the number, tell them they've guessed correctly *and* how many guesses it took!