**Activities for 1/9/2018**

1. Review Projects

Variables

Input/Output

Conditionals

Loops

Functions

Lists

Dictionaries

1. The split() method
2. The in operator
3. Write a program that asks the user to enter their name, address, city, state, and zone improvement plan number and prints a mailing label to the screen as such.

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1. Write a program that allows the user to enter a word. If the word has a length of more than 5 characters, the word is printed backwards. Hint: word[::-1] will reverse the string stored in word.
2. Write a program that will allow the user to enter a phrase and print the original phrase with all vowels replaced by the underscore character.
3. Write a program that will have a function that is passed a string and returns the number of vowels found in that string.
4. Write a program that prints the names of the months from January to December. Hint: Create a dictionary that translates the numerical month (1 – 12) to the name of the month. For example: months = {1:˝January˝, 2: ˝February˝, …}
5. Modify the above program to print the dates of the year.
6. Modify the above program to take into account leap years.
7. Playing Fermi (aka Mastermind)
8. Write a program that allows the user to enter a date in the form of mm/dd/yyyy and prints it out in the form of monthName day, year. For example; 12/13/2017 would be printed as December 13, 2017. Consider using a function that is passed a string called theDate and returns another string in the appropriate format.