Assignments for 08-Dec-17

1. Write a program which accepts a sequence of comma-separated numbers from console and generate a list and a tuple which contains every number.
   Input: 10, 20, 30, 50, 40
   Output:
   List: ['10', '20', '30', '50', '40']
   Tuple: ('10', '20', '30', '50', '40')
2. Write a program which will find all the numbers which are divisible by 4 but are not a multiple of 5 in between user provided range. The numbers obtained should be printed in a comma-separated sequence on a single line.
3. With a user given integral number num, write a program to generate a dictionary that contains (num, num * num * num) such that is an integral number between 1 and num (both included) and print the dictionary.
   Input: 5
   Output: {1: 1, 2: 8, 3: 27, 4: 64, 5: 125}
4. Write a program to print index numbers along with values from the list, l1=[2, 13, 5, 7, 6, 9], where two elements sums to 15.
5. Write a program, which will find all such numbers between 1000 and 3000 (both included) so that each digit of the number is an even number. The numbers obtained should be printed in a comma-separated sequence on a single line.