1. Play with list and set

L1=[2, 3, 4,10]

L2=[5,3,4,9,10,15]

Append a number 45 to list L1

Append a number 4 to list L2

Merge L1 and L2 and save it into variable L3

Create another list L4 = [10,15,45,50,90,100]

Print out the numbers that exist in both variables L3 and L4 using set operations

Print out numbers that exists in either L1 or L4, but not both using set operation

Print out numbers that exist in L2 but not in L4.

Add the following numbers to L4 103, 20, 34 using append() function of list.

2. while loop application

Starting with 13, add all the numbers which a factor of 100 from 13 up to 1000

Save it to variable sum and print sum.

3. The following code generates 300 random integers

use while loop to print out all the numbers that end with 0

hint: use % operator

import random

x=[int(300\*random.random()) for i in xrange(300)]