## **HIT137 Software Now**

Tutorial - Week 4

#### Question 1

Write a loop that accumulates the sum of all of the numbers in a list named data.

### Question 2

Define a function named sum. This function expects two numbers, named low and high, as arguments. The function computes and returns the sum of all of the numbers between low and high, inclusive.

#### **Question 3**

Assume that the variable data refers to the dictionary {"b":20, "a":35}. Write the expressions that perform the following tasks:

- a. Replace the value at the key "b" in data with that value's negation.
- b. Add the key/value pair "c":40 to data.
- c. Remove the value at key "b" in data, safely.
- d. Print the keys in data in alphabetical order.

#### **Question 4**

Write a Python program to get the smallest number from a list

# **Question 5**

Write a Python script to concatenate following dictionaries to create a new one

```
Sample Dictionary:

dic1={1:10, 2:20}

dic2={3:30, 4:40}

dic3={5:50,6:60}

Expected Result: {1: 10, 2: 20, 3: 30, 4: 40, 5: 50, 6: 60}
```