**Activities based on Lesson 3**

Here are a few challenges to help you practice what we have learnt:

1. Write a program to sum up all the numbers in a list of numbers.  
   E.g numbers = [0,0,2,6,-3]. Your function should return 5
2. Write a program that takes a dictionary of name and age mappings and returns a dictionary with name and year of birth mappings.  
   E.g name\_age ={“Tom”:10,”Pam”:19,“Bill”:22}.  
   Your program should return {“Tom”:2007,“Pam”:1998,”Bill”:1995}
3. Write a function that takes two arguments as inputs: A list of numbers and an integer called x. Write a function to determine if there are any 2 numbers in the list that add up to x.

e.g.

list = [1,2,6-4]

x = 7.

Your function should output YES. Why? **list[0]+list[2] == x.**

(i.e. 1+6 = 7)

**(Note: Functions are going to be covered next lesson but you can do some research and see if you can solve Q3!)**

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