# Solution for Session 5

#### TASK 8:

Exit the loop when x is "Canada", but this time the break comes before the print

city = ["Amsterdam", "New York", "Canada"]

city = ["Amsterdam", "New York", "Canada"]  
**for** x **in** city:  
 **if** x == "canada":  
 **break**  
 print(x)

Amsterdam  
new york

#### TASK9:

Printing all letters except some using Python while loop

i = 0   
word = "Hello"  
  
*#print all letters except y and o*  
  
**while** i < len(word):  
 **if** word[i] == "e" **or** word[i] =="o":  
 i += 1  
 **continue**  
  
 print("Returned letter",word[i])  
 i += 1

Returned letter H  
Returned letter l  
Returned letter l

#### Task 10

Write a program to find the sum of the digits of a number accepted by the user

*# Function to get a sum of digits*  
  
  
**def** getSum(n):  
 sum = 0  
 **while** (n != 0):  
 sum = sum + int(n % 10)  
 n = int(n/10)  
 **return** sum  
  
  
*# Driver code*  
n = 1234  
print(getSum(n))

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#### TASK11:

Adding elements to a list using a while loop

a = []  
**for** i **in** range(5):  
 a.append(i)  
print(a)

[0, 1, 2, 3, 4]

#### TASK 12:

Popping out elements from a list using a while loop.

comic\_heros = ["Captain America", "Thor", "Hulk", "Iron Man"]

comic\_heros = ["Captain America", "Thor", "Hulk", "Iron Man"]  
print("Popped element:", comic\_heros.pop())  
print("List after pop():", comic\_heros)

Popped element: Iron Man  
List after pop(): ['Captain America, 'Thor', 'Hulk']