# solution based on session 2

#### Task 2. Try to grab the number 400 using list

my\_list = [[1,2,3],'hello',[7,8,[100,200,300,400]]]

my\_list = [[1,2,3],'hello',[7,8,[100,200,300,400]]]  
print(my\_list[1])

hello

#### Task 3 Try to grab the word 'own' from the below string

my\_str = "ON my own technology"

my\_str="ON my own technology"  
print(my\_str[5:9])

own

#### Task 4 Replace the 3rd item in the list with the string "OMOTEC"

my\_lst = ["welcome", "to", "on my own technology"]

my\_lst = ["welcome", "to", "on my own technology"]  
my\_lst[2]='OMOTEC'  
print(my\_lst)

['welcome', 'to', 'OMOTEC']

#### 5. Try to grab the word 'C' from the list below

my\_list = ['O',' M',' O', 'T', 'E',' C',]

my\_list=['O',' M',' O', 'T', 'E',' C']  
print(my\_list[-1])

C

6. Find the position of 55 from the list using the index

num = [22,33,42,55,61]

num=[22,33,42,55,61]  
print(num[-2])

55

#### Task 7. Find the position of the bat

list2 = ['cat', 'bat', 'mat', 'cat', 'pet']

list2=['cat', 'bat', 'mat', 'cat', 'pet']  
print(list2[1])

bat

#### Task 8. Use the step parameter to return every third item using the slice:

a = ("a", "b", "c", "d", "e", "f", "g", "h")

a=("a", "b", "c", "d", "e", "f", "g", "h")  
print(a[0:8:2])

('a', 'c', 'e', 'g')

#### Task 9. Start the slice object at position 3, and slice to position 5, and return the result:

a = ("s", "e", "n", "t", "e", "n", "c", "e")

a=("s", "e", "t", "e", "n", "c", "e")  
print(a[2:6])

('t', 'e', 'n', 'c')