You will be sorting the following list by each element’s second letter a to z. Create a function to use when sorting that takes a string as input and return the second letter of that string and name it second\_let. Create a variable called func\_sort and assign the sorted list to it. Do not use lambda.

ex\_lst = ['hi', 'how are you', 'bye', 'apple', 'zebra', 'dance']

def second\_let(string):

keep = []

for s in ex\_lst:

keep.append (s[1])

return keep

func\_sort = sorted (ex\_lst, key = second\_let)

Below, we have provided a list of strings called nums. Write a function called last\_char that takes a string as input, and returns only its last character. Use this function to sort the list nums by the last digit of each number, from highest to lowest, and save this as a new list called nums\_sorted.

nums = ['1450', '33', '871', '19', '14378', '32', '1005', '44', '8907', '16']

def last\_char(inp):

return inp [-1]

nums\_sorted = sorted (nums, key = last\_char, reverse = True)

print(nums\_sorted)

Once again, sort the list nums based on the last digit of each number from highest to lowest. However, now you should do so by writing a lambda function. Save the new list as nums\_sorted\_lambda.

nums = ['1450', '33', '871', '19', '14378', '32', '1005', '44', '8907', '16']

def last\_char(inp):

return inp[-1]

nums\_sorted\_lambda = sorted (nums , key = lambda inp: last\_char(inp), reverse = True)

print(nums\_sorted\_lambda)