

## Task 1

### Complete the function to return the first two items in the given list

```
# Complete the function to return the first two items in the given list
def getFirstTwo(mylist):
    return mylist[:2]

# expected output: [8, 3]
print(getFirstTwo([8,3,5,2,10]))

# expected output: [15, 2]
print(getFirstTwo([15,2,10,12]))
```

## Task 2

### Complete the function to return the last two items in the given list

```
# Complete the function to return the last two items in the given list
def getLastTwo(mylist):
    return mylist[-2:]

# expected output: [2, 10]
print(getLastTwo([8,3,5,2,10]))

# expected output: [9, 12]
print(getLastTwo([15,2,9,12]))
```

## Task 3

### Complete the function to add num1 to the end of the given list

```
# Complete the function to add num1 to the end of the given list
def addToEnd(mylist, num1):
    mylist.append(num1)
    return mylist

# expected output: [4, 5, 6, 7]
print(addToEnd([4,5,6], 7))

# expected output: [9, 8, 7, 6]
print(addToEnd([9,8,7], 6))
```

## Task 4

### Complete the function to add num2 to the front of the given list

```
# Complete the function to add num2 to the front of the given list
```

```
def addToFront(mylist, num1):
    mylist.insert(0, num1)
    return mylist

# expected output: [3, 4, 5, 6]
print(addToFront([4,5,6], 3))

# expected output: [10, 9, 8, 7]
print(addToFront([9,8,7], 10))
```

## Task 5

### Complete the function to return a new list containing the first two and last two items in the given list

```
# Complete the function to return a new list containing
# the first two and last two items in the given list
def getFirstTwoAndLastTwo(mylist):
    new_list1 = mylist[:2]
    new_list2 = mylist[-2:]
    return new_list1 + new_list2

# expected output: [8, 3, 19, 1]
print(getFirstTwoAndLastTwo([8,3,7,15,2,10,19,1]))

# expected output: [7, 15, 3, 5]
print(getFirstTwoAndLastTwo([7,15,2,10,19,1,3,5]))
```

## Task 6

### Complete the function to remove the first item in the given list

```
# Complete the function to remove the first item in the given list
def removeFirst(mylist):
    mylist.pop(0)
    return mylist

# expected output: [7, 8, 9]
print(removeFirst([6,7,8,9]))

# expected output: [2, 3, 4]
print(removeFirst([1,2,3,4]))
```

## Task 7

### Complete the function to remove the third item in the given list

```
# Complete the function to remove the third item in the given list
def removeThird(mylist):
    mylist.pop(2)
    return mylist

# expected output: [6, 7, 9]
print(removeThird([6,7,8,9]))
```

```
# expected output: [1, 2, 4]
print(removeThird([1,2,3,4]))
```

## Task 8

**Complete the function to order the values in the list. If ascending is true then order lowest to highest otherwise sort highest to lowest**

```
# Complete the function to order the values in the list
# if ascending is true then order lowest to highest
# if ascending is false then order highest to lowest
def sortList(mylist, ascending):
    if ascending is True:
        return sorted(mylist)
    elif ascending is False:
        return sorted(mylist, reverse = True)
# expected output: [4, 12, 19, 33]
print(sortList([19,4,33,12], True))

# expected output: [33, 19, 12, 4]
print(sortList([19,4,33,12], False))
```

## Task 9

**Complete the function to return a dictionary using list1 as the keys and list2 as the values**

```
# Complete the function to return a dictionary using
# list1 as the keys and list2 as the values
def createDict(list1, list2):
    # Student code goes here

# expected output: {'tomato': 'red', 'banana': 'yellow', 'lime': 'green'}
print(createDict(['tomato', 'banana', 'lime'], ['red','yellow','green']))

# expected output: {'Brazil': 'Brasilia', 'Ireland': 'Dublin', 'Indonesia': 'Jakarta'}
print(createDict(['Brazil', 'Ireland', 'Indonesia'], ['Brasilia','Dublin','Jakarta']))
```

## Task 10

**Complete the function to return a dictionary value if it exists or return Not Found if it doesn't exist**

```
# Complete the function to return a dictionary value
# if it exists or return Not Found if it doesn't exist
def findDictItem(mydict, key):
    res = {list1[i]: list2[i] for i in range(len(list1))}
    return res
# expected output: yellow
print(findDictItem({'tomato': 'red', 'banana': 'yellow', 'lime': 'green'} , 'banana'))

# expected output: Not Found
```

```
print(findDictItem({'Brazil': 'Brasilia', 'Ireland': 'Dublin', 'Indonesia':  
'Jakarta'}, 'Cameroon'))
```

## Task 11

### Complete the function to remove a dictionary item if it exists

```
# Complete the function to remove a dictionary item if it exists  
def removeDictItem(mydict, key):  
    if key in mydict:  
        mydict.pop(key)  
        return mydict  
    else:  
        return mydict  
# expected output: {'tomato': 'red', 'lime': 'green'}  
print(removeDictItem({'tomato': 'red', 'banana': 'yellow', 'lime': 'green'},  
    'banana'))  
  
# expected output: {'Brazil': 'Brasilia', 'Ireland': 'Dublin', 'Indonesia': 'Jakarta'}  
print(removeDictItem({'Brazil': 'Brasilia', 'Ireland': 'Dublin', 'Indonesia':  
    'Jakarta'}, 'Cameroon'))
```

## Task 12

### Complete the function to print every key and value

```
# Complete the function to print every key and value  
def printDict(mydict):  
    for x in mydict:  
        print(x, ":", mydict[x])  
# expected output:  
#     tomato=red  
#     banana=yellow  
#     lime=green  
printDict({'tomato': 'red', 'banana': 'yellow', 'lime': 'green'})  
  
# expected output:  
#     Brazil=Brasilia  
#     Ireland=Dublin  
#     Indonesia=Jakarta  
printDict({'Brazil': 'Brasilia', 'Ireland': 'Dublin', 'Indonesia': 'Jakarta'})
```