

## EXERCISE 3

### 1

```
In [3]: my_list = ['2,4,7,4,23,5,1.4.8.9']  
        max_value = max(my_list)  
        print ("Th maximum value is ', max_value)')
```

Th maximum value is ', max\_value)'

### 2

```
In [4]: another_list = [4,7,1,5,11,53,12,46,84,23]  
        ave_value = sum(another_list)/len(another_list)  
        print ('The averagevalue is ', ave_value)
```

The averagevalue is 24.6

### 3

```
In [5]: new_list = [2,6,7,45,23,53,14,45,89,5]  
        reversed_list = reversed(new_list)  
        list(reversed_list)
```

Out[5]: [5, 89, 45, 14, 53, 23, 45, 7, 6, 2]

### 4

```
In [8]: first_list=[1,2.3]  
        second_list=[2,3,3]  
        for x,y in zip (first_list, second_list):  
            if x < y:  
                print ('true')  
            else:  
                print('false')
```

true  
true

## 5

```
In [26]: swap_list =[10,20,30]
print('list before swapping:',swap_list')

        swap_list[0], swap_list[2]= swap_list2, swap_list[0]
print('list after swapping:',swap_list')
File "<tokenize>", line 5
    print('list after swapping:',swap_list')
    ^
IndentationError: unindent does not match any outer indentation level
```

## 6

```
In [15]: a_list=[1,2,3]
b_list= [4,5,6]

joined_list= a_list+b_list
joined_list
```

Out[15]: [1, 2, 3, 4, 5, 6]

In [ ]: