

Lab 2

(Prof. Carlos J. Costa)

1) Construct a list (shoppingList) including 'potatoes', 'carrots', 'cod' and 'sprouts'

▶ In [1]: `#Code here`

2) Get the second and the last element of the list

▶ In [2]: `#Code here`

3) Iterate though the list

▶ In [3]: `#Code here`

4) Create a new list (studentList)

▶ In [4]: `#Code here`

5) Add the following elements to the shoppingList: orange and lime

▶ In [5]: `#Code here`

6) Remove the carrots, the first element and last element of the shoppingList list

▶ In [6]: `#Code here`

7) Delete the film list

▶ In [7]: `#Code here`

8) Create a list with the double values of number between 1 and 15.

▶ In [8]: `#Code here`

9) Obtain the first 3 elements of the list

▶ In [9]: `#Code here`

▶ In [10]: `#Code here`

10) What is the result of, Why?

```
shopping = shoppingList
```

```
shoppingListCopy = shoppingList[:]
```

```
print(shopping)
```

▶ In [11]: `#Code here`

12) What is the result of, Why?

```
shopping = shoppingList
```

```
shoppingList.append("orange")
```

```
print(shopping)
```

▶ In [12]: `#Code here`

13) remove all the items from the shoppingList

▶ In [13]: `#Code here`

14) What is the result of, Why?

```
newPurchases= ("bananas", "beans", "rice")
```

```
print (newPurchases [1])
```

```
newPurchases [0] = "apple"
```

▶ In [14]: `#Code here`

15) Create a dictionary including the following elements: orange, apple, pear, grape and peach. Key are 1 to 5. Iterate through key-value pair.

▶ In [15]: `#Code here`

16) Create a weekList that is composed of several lists, each one corresponding to a day.

▶ In [16]: `#Code here`