

# Questionnaires

## Questionnaire Week 2

1. Which of the following sentences serve to initialise a list with zero values:

```
#Option 1
lst = [0]*5

#Option 2
lst = []

#Option 3
lst = range (0,5)

#Option 4
lst = list(5)
```

2. How of the following options is suitable to initialise an empty list?

```
#Option 1
lst = list()

#Option 2
lst = range(0,0)

#Option 3
lst = []

#Option 4
lst = None
```

3. How can list elements be accessed? (Suppose lst = [1,2,3,4,5])

```
#Option 1
lst[2]

#Option 2
lst.get(2)

#Option 3
lst.index(2)

#Option 4
```

```
lst.pop(2)
```

4. If we want to add the element 6 to the list, which of the following sentences should be used? (Suppose lst = [1,2,3,4,5])

```
#Option 1  
lst[5] = 6
```

```
#Option 2  
lst.set(6)
```

```
#Option 3  
lst.append(6)
```

```
#Option 4  
lst.add(6)
```

5. Assume we want to store into a single structure the strings “name”, “surname” and “phone”. Which structure is the most suitable?

- List
- Collection/Dictionary
- Three strings

6. Correct the following collection definition:

```
col = [  
    "name"=""  
    "class"= ""  
    "degrees"=[]  
]
```

```
#Solution  
col = {  
    "name": "",  
    "class": "",  
    "degrees": []  
}
```

7. How can we access the element (e.g “name”) of a collection?

```
#Option 1  
col[0]
```

```
#Option 2  
col["name"]
```

```
#Option 3  
col.get("name")
```

```
#Option 4  
col.pop("name")
```

**8. Which of the following sentences can be used to add elements to a collection:**

```
#Option 1  
col.append("city", "Lleida")
```

```
#Option 2  
col["city"] = "Lleida"
```

```
#Option 3  
col.add("city", "Lleida")
```

**9. Which of the following sentences is used to remove an element from a collection?**

```
#Option 1  
col.append("city", "Lleida")
```

```
#Option 2  
col["city"] = "Lleida"
```

```
#Option 3  
col.add("city", "Lleida")
```