

1. Which of the following is not a sequence data-type in Python?

1 / 1 punto

- ☐ String
- ☒ Dictionary
- ☐ Tuples
- ☐ List



Correcto

Correct! Dictionaries have key-value object structure and are not sequences.

2. For a given list called `new_list`, which of the following options will work:

1 / 1 punto

`new_list = [1,2,3,4]`

Select all that apply.

- ☐ `new_list[4] = 10`
- ☒ `new_list.extend(new_list)`



Correcto

Correct. This will extend the list to give `[1,2,3,4,1,2,3,4]`

- ☒ `new_list.insert(0, 0)`



Correcto

Correct. This will insert 0 at the 0th index giving: `[0,1,2,3,4]`

- ☒ `new_list.append(5)`



Correcto

Correct. This will append the value 5 to the list giving: `[1,2,3,4,5]`

3. Which of the following is not a type of variable scope in Python?

1 / 1 punto

- ☐ Local
- ☐ Global
- ☐ Enclosing
- ☒ Package



Correcto

Correct. Packages do not define a scope, they are external installations that we bring to extend code functionality.

4. Which of the following is a built-in data structure in Python?

1 / 1 punto

- ☐ Queue
- ☐ Tree
- ☐ LinkedList
- ☒ Set



Correcto

Correct! Set is a built-in data structure such as list, tuple, etc.

5. For a given file called 'names.txt', which of the following is NOT a valid syntax for opening a file:

1 / 1 punto

- ☐ with open('names.txt', 'r') as file:
`print(type(file))`
- ☐ with open('names.txt', 'w') as file:
`print(type(file))`
- ☐ with open('names.txt', 'rb') as file:
`print(type(file))`
- ☒ with open('names.txt', 'rw') as file:
`print(type(file))`



Correcto

Correct. It should either be 'r' mode for reading or 'w' mode for writing.

6. Which among the following is not a valid Exception in Python?

1 / 1 punto

- ☐ ZeroDivisionException
- ☐ FileNotFoundError
- ☐ IndexError

☐ LoopError

☒ **Correcto**

Correct. There is no such Exception defined in Python.

7. For a file called name.txt containing the lines below:

1 / 1 punto

```
1 First line
2 Second line
3 And another !
```

What will be the output of the following code:

```
1 with open('names.txt', 'r') as file:
2     lines = file.readlines()
3     print(lines)
```

☐ 'First line'

☒ ['First line\n',
'Second line\n',
'And another !']

☐ ['First line']

☐ 'First line'
'Second line'
'And another !'

☒ **Correcto**

Correct! readlines() returns an ordered list with lines in the text file as items in the list.

8. State TRUE or FALSE:

1 / 1 punto

*args passed to the functions can accept the key-value pair.

☐ True

☒ False



Correcto

Correct! You use `**kwargs` for passing dictionaries or videos containing key-value pairs.