CHECKPOINT 4 – EJERCICIO PRÁCTICO

Exercise 1: Create a list, tuple, float, integer, decimal, and dictionary.

```
from decimal import Decimal
list_example = [1, 2, 3]
tuple_example = (1, 2, 3)
float_example = 0.75
integer_example = 56
decimal_example = Decimal(56.40)
dictionary_example = {
    'one': 1,
    'two': 2,
    'three': 3,
}
print(list_example)
print(tuple_example)
print(float_example)
print(integer_example)
print(decimal_example)
print(dictionary_example)
```

Exercise 2: Round your float up.

```
import math
float_example = 0.75
round_up = math.ceil(float_example)
print(round_up)
```

Exercise 3: Get the square root of your float.

```
import math
float_example = 0.75
square_root = math.sqrt(float_example)
print(square_root)
```

Exercise 4: Select the first element from your dictionary.

```
dictionary_example = {
    'one': 1,
    'two': 2,
    'three': 3,
}
first_element = dictionary_example ['one']
print(first_element)
```

Exercise 5: Select the second element from your tuple.

```
tuple_example = (1, 2, 3)
second_element = tuple_example[1]
print(second_element)
```

Exercise 6: Add an element to the end of your list.

```
list_example = [1, 2, 3]
list_example.append(4)// list_example.extend([4])// list_example.insert(3,4)

print(list_example)
```

Otra opción sería:

```
add_element = list_example + [4]

print(add_element)
```

Exercise 7: Replace the first element in your list.

```
list_example = [1, 2, 3]
list_example[0] = 0

print(list_example)
```

Exercise 8: Sort your list alphabetically.

```
list_example = [3, 1, 2]
list_example.sort()


print(list_example)
```

Exercise 9: Use reassignment to add an element to your tuple.

```
tuple_example = (1, 2, 3)
tuple_example += (4,) // tuple_example += ('cuatro',)


print(tuple_example)
```