

[DT 2025] Q2 - Quiz Python 1

11/3/2025

11 mar 2025

11 questions, 10 minutes, all questions must be answered.

Books, notes, and Python execution environments are not allowed.

Totale: 15 punti

* Obbligatoria

* Questo modulo registrerà il tuo nome, inserire il nome.

Please enter your first name and last name *

Which one of these operations will output the following:

[1, 4, 7, 10, 13]

* (1 punto)

- ☐ `list(range(13, 3))`
- ☐ none of the above
- ☐ `list(range(14, 3))`
- ☐ `list(range(1, 14, 3))`

What is the result of executing the function call **chkpos([-1, 8, 8, 7, 1], 8)**, having defined:

```
def chkpos(lst, i):  
    for idx, elem in enumerate(lst):  
        if elem == i:  
            return idx  
    return -1
```

* (2 punti)

☐ an error

☐ 1

☐ 2

☐ -1

What is the result of this comparison:

```
a = 1  
b = a  
a = b  
a = 2  
b = a * b  
a == b / 2
```

* (2 punti)

☐ b

☐ False

☐ 1/2

☐ True

Which of the following statements insert the values 4 and 5 to set1, defined as follows:

```
set1 = {1, 2, 3}  
set2 = {3, 4, 5}
```

* (1 punto)

☐ set1 = set1.union(set2)

☐ set1 = set1+ set2

☐ set1.union(set2)

☐ set1 = set1.add({4,5})

What is the output of this code block?

```
a = True  
b = 1  
c = -1
```

```
if a and (b + c > 0):  
    print("\_(ツ)_/ ")  
else:  
    print("( °□° ) ㄣ ㄣ ㄣ ㄣ")
```

* (2 punti)

- ☐ (°□°) ㄣ ㄣ ㄣ ㄣ
- ☐ 0
- ☐ _(ツ)_/
- ☐ False

Which one of these operations extracts the element **5** from the following variable:

```
a = [2, 3, 4, 5, 6]
```

* (1 punto)

- ☐ a[4]
- ☐ none of the above
- ☐ a[3]
- ☐ a[-1]

Which is the result of a+b where a = 'u' and b = 'p'? * (1 punto)

- ☐ an error
- ☐ 'up'
- ☐ 'u' 'p'

What will be the output of this code:

```
a = set(['a', 'b', 'c'])  
b = set(['d', 'e', 'f'])  
a.intersection(b)
```

* (1 punto)

- ☐ none of the above
- ☐ {'a', 'b', 'c', 'd', 'e', 'f'}
- ☐ an empty set
- ☐ 6

Which of these data structure contains unique values:

* (1 punto)

- ☐ set
- ☐ tuple
- ☐ dictionary values
- ☐ string

What will be the value of y after the execution of this fragment of code:

```
def my_fun(x):  
    y = x + 1  
    print(x)  
    if x > 2:  
        return x**2  
    else:  
        return 0  
  
y = my_fun(3)
```

* (2 punti)

- ☐ none of the above
- ☐ 9
- ☐ 0
- ☐ 4

What is the result of executing `a == 2`, if `a = [1, 2, 3]` * (1 punto)

- ☐ 1
- ☐ an error
- ☐ True
- ☐ False

Questo contenuto non è stato creato né approvato da Microsoft. I dati che invii verranno recapitati al proprietario del modulo.

 Microsoft Forms