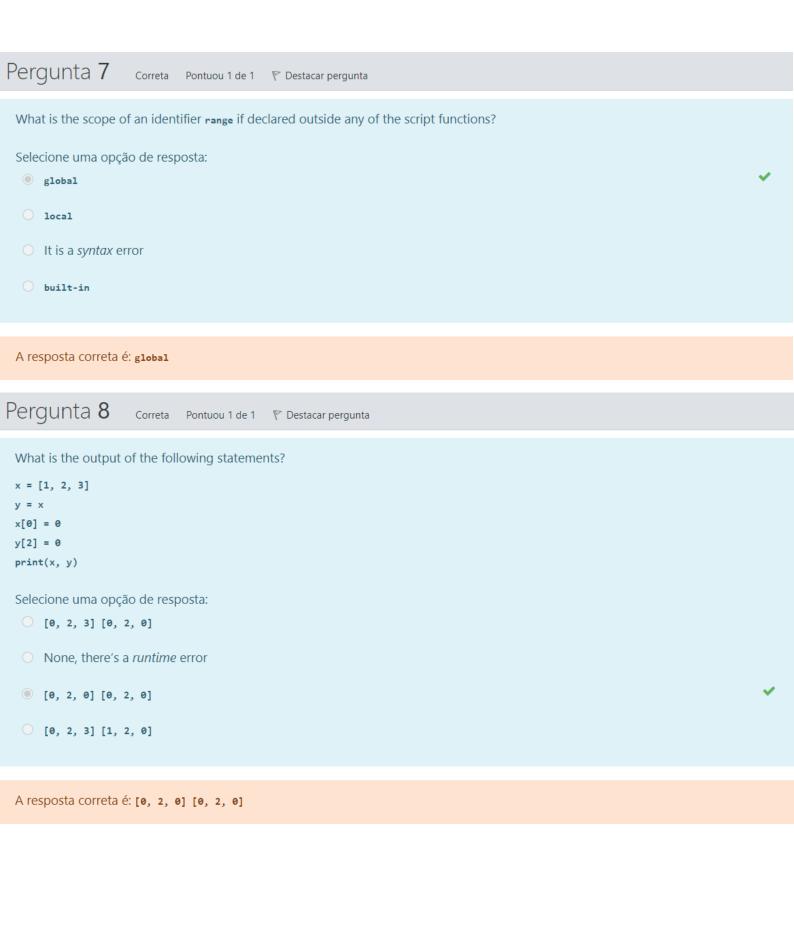
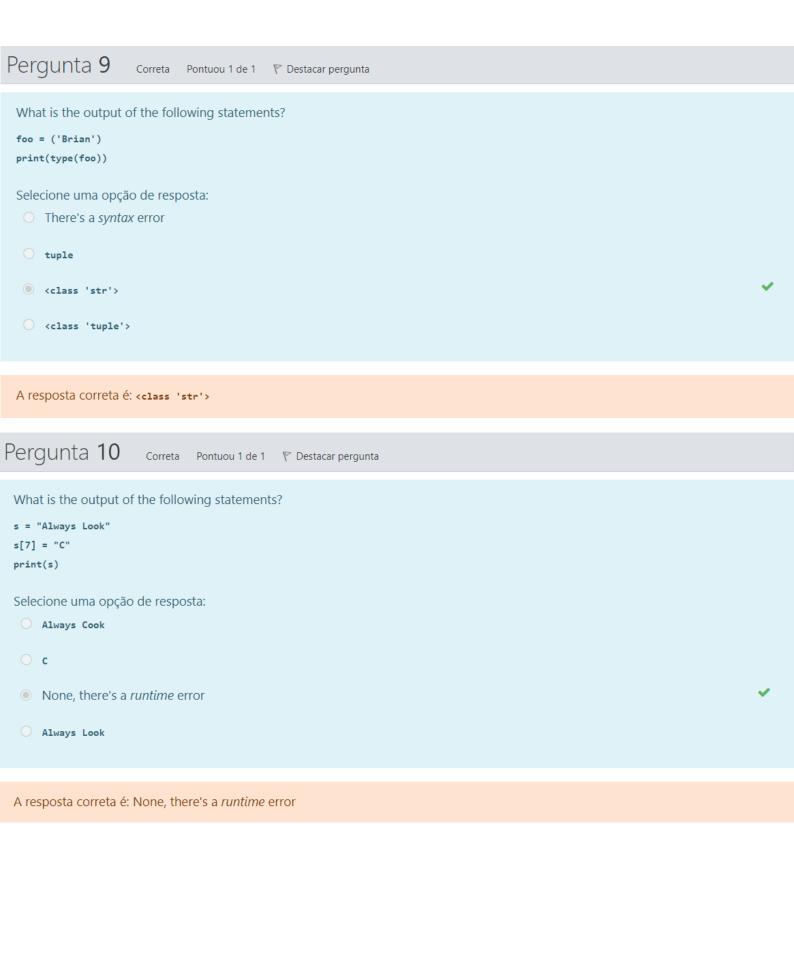
Pergunta 1 Não respondida Pontuação 1 № Destacar pergunta
Consider the following extract of Python code: def f(1, e): 1.insert(0, e) How do you classify the function f()? Selecione uma opção de resposta: A pure function A modifier A higher-order function (HOF) A function generator
A resposta correta é: A modifier
Pergunta 2 Correta Pontuou 1 de 1 № Destacar pergunta
Consider the list: 1 = [[1, 2], [[3, 4, 5], 6], 7] what is the length of the list?
Selecione uma opção de resposta: 4
3
O 2
O 7
A resposta correta é: 3

Pergunta 5 Correta Pontuou 1 de 1 🛛 🏲 Destacar pergunta What is the output of the following statements? while i < 3: print(i, end="") break Selecione uma opção de resposta: 0 0123 012 A resposta correta é: 0 Pergunta 6 Não respondida Pontuação 1 🌾 Destacar pergunta What is the output of the following statements? def foo(): while True: yield 1 yield 2 for _ in range(2): print(next(foo())) Selecione uma opção de resposta: <generator object f at 0x7f08d906a4c0> O None, there's a runtime error 1\n1 1\n2 A resposta correta é: 1\n1





A resposta correta é: a

A resposta correta é: ø

O 2

1

A resposta correta é: 32

A resposta correta é: [(0, 0), (1, 2), (2, 4), (3, 6)]

```
What is the output of the following statements?
 1 = [5, 4, 3, 2, 1, 0]
 res = []
 for i in 1:
    if i % 2 == 0:
        res += [i*2]
 print("res =", res)
 Selecione uma opção de resposta:
  o res = [10, 6, 2]
    res = [8, 4, 0]
  o res = [[10], [6], [2]]
  o res = [[8], [4], [0]]
 A resposta correta é: res = [8, 4, 0]
Pergunta 22
                      Correta
                             What is the output of the following statements?
 s1 = "Always Look"
 print(s1[:-6])
```

Selecione uma opção de resposta:

- Always
- None, there's a runtime error
- Alway
- Look

A resposta correta é: Alway

```
What is the output of the following statements?
 t = ('dog', 1, 2, 3, [1, 2])
 t[4][1] = 0
 print(t)
 Selecione uma opção de resposta:
  ('dog', 1, 2, 3, 2)
  ('dog', 1, 2, 3, [1, 0])
  None, there's a runtime error as tuples are immutable
  ('dog', 1, 2, 3, [1, 2])
 A resposta correta é: ('dog', 1, 2, 3, [1, 0])
Pergunta 26
                       Correta Pontuou 1 de 1 

▼ Destacar pergunta
 Consider the following code:
 def rec_sum(nlist):
     total = 0
     print('+ ', end='')
     for element in nlist:
         if type(element) == list:
            total += rec_sum(element)
         else:
            total += element
     return total
 rec_sum([1, [3, 5], [7, 11], 13])
 To compute the sum of the integers of the given list, how many recursive calls are made by rec_sum?
 Selecione uma opção de resposta:
  0 6
  4
  O 1
  2
```

0 '2 * -10'

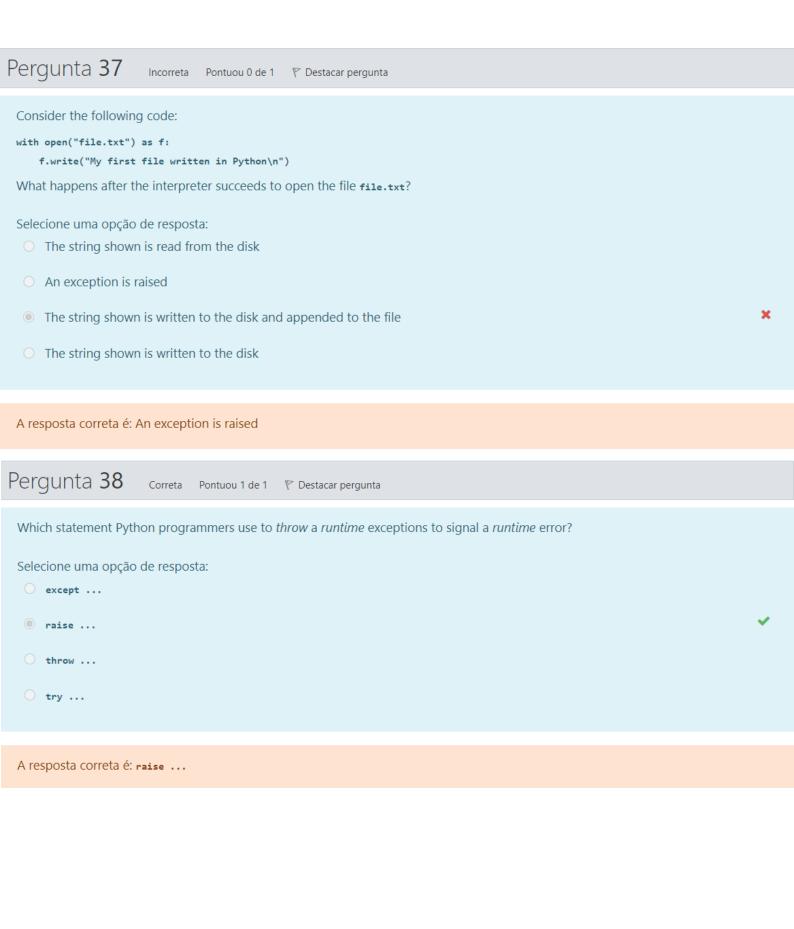
2 * 10'

A resposta correta é: -20

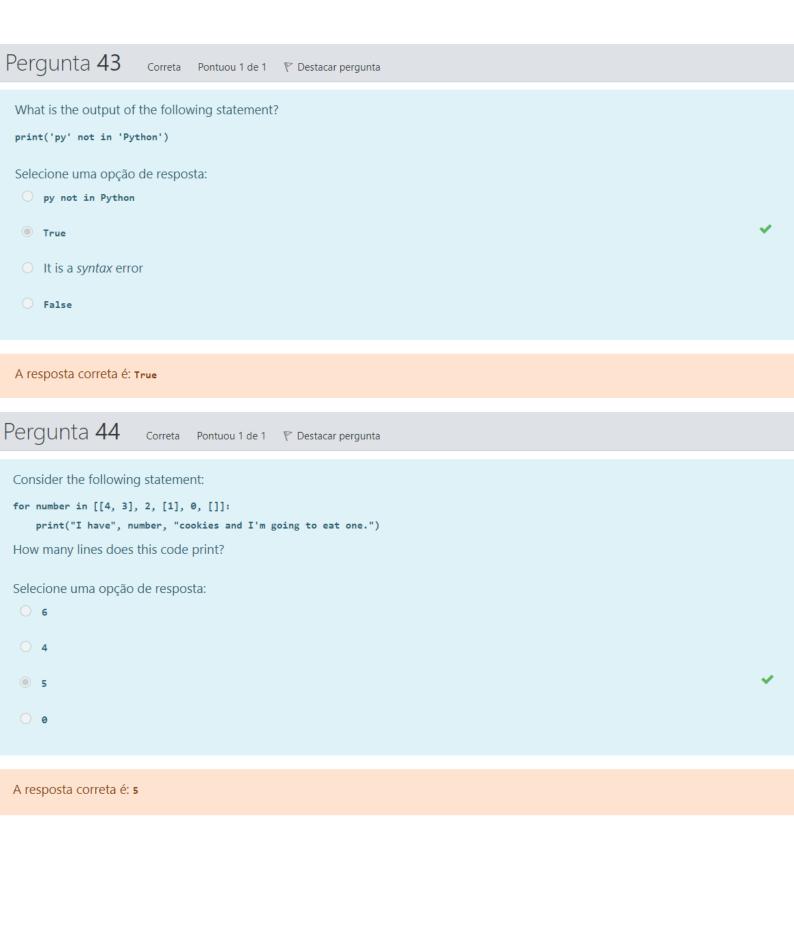
A resposta correta é: As many as the maximum recursion depth allows

O 2

A resposta correta é: y

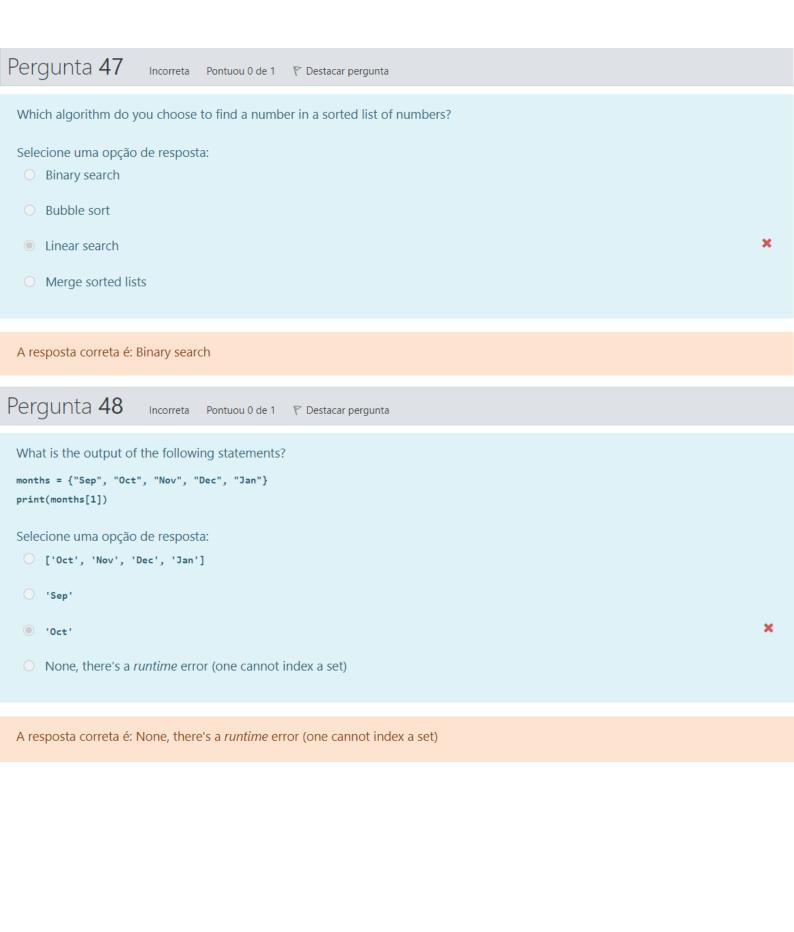


Pergunta 41 Correta Pontuou 1 de 1 № Destacar pergunta
What is the output of the following statements? a = 'b' a += a print('aa', end="")
Selecione uma opção de resposta: ba
None, there's a runtime errorbb
■ aa ■ a
A resposta correta é: aa
Pergunta 42 Não respondida Pontuação 1 🏿 Destacar pergunta
When is it possible to re-write a for as a while?
Selecione uma opção de resposta: Always, except for iterating collections
Always, except when iterating finite generators
 Always, no exceptions Always, except when iterating infinite generators
A resposta correta é: Always, no exceptions



Pergunta 45 Correta What command correctly generates the sequence -2, -4, -6, -8? Selecione uma opção de resposta: for i in range(-2, -10, 2): print(i) for i in range(-2, -10, -2): print(i) for i in range(-8, -2, 2): print(i) for i in range(-8, -1, -2): print(i) A resposta correta é: for i in range(-2, -10, -2): print(i) Pergunta 46 Não respondida Pontuação 1

▼ Destacar pergunta Given the following statements, what is its Big-O running time? acc = 0 for _ in range(n): acc += 1 for _ in range(n): acc -= 1 Selecione uma opção de resposta: O(n^2) O(n log n) O(n) O(log n) A resposta correta é: O(n)



```
Pergunta 49
                      Correta
                             What is the output of the following statements?
 temperature = [(0,8), (5,9), (10,0), (15,1), (20,2)]
 print(list(filter(lambda x: x[1] == 0, temperature)))
 Selecione uma opção de resposta:
 [(0, 8)]
  [(0, 0), (5, 0), (10, 0), (15, 0), (20, 0)]
  [(10, 0)]
  1
 A resposta correta é: [(10, 0)]
Pergunta 50
                      Incorreta
                               Consider the following comprehension:
 ns = (x+1 \text{ for } x \text{ in } range(10))
 for x in ns: print(x)
 for x in ns: print(x)
 What is the output when it is submitted to the interpreter?
 Selecione uma opção de resposta:

    None, it gives a runtime error

  It prints the numbers from 1 to 10
  It prints twice the numbers from 1 to 10
  It prints twice the numbers from 0 to 9
```

A resposta correta é: It prints the numbers from 1 to 10