

Pergunta 1

Respondida

Pontuou 1 de 1

🚩 Destacar pergunta

Which type of loop can be used to perform the following iteration: choose a positive integer at random and then print the numbers from 1 up to and including the selected integer?

Selecione uma opção de resposta:

- ☒ a *for-loop* or a *while-loop*
- ☐ only a *while-loop*
- ☐ only a *for-loop*
- ☐ None, it gives a *runtime* error

Pergunta 2

Respondida

Pontuou 0 de 1

🚩 Retirar destaque

Using the Python learnt so far, can you rewrite any *for-loop* as a *while-loop* and vice-versa?

Selecione uma opção de resposta:

- ☐ It is possible to rewrite any *for-loop* as a *while-loop* but not vice-versa
- ☐ Yes
- ☐ It is not always possible
- ☒ It is possible to rewrite any *while-loop* as a *for-loop* but not vice-versa

Pergunta 3

Respondida

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🚩 Destacar pergunta

What is the difference between a tab ('\t') and a sequence of spaces?

Selecione uma opção de resposta:

- ☐ There is no difference
- ☐ A tab is wider than a sequence of spaces
- ☐ Tabs are used for creating tables which cannot be done using spaces
- ☒ A tab will line up items in a second column, regardless of how many characters were in the first column, while spaces will not

Pergunta 4

Respondida

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🚩 Destacar pergunta

The following code contains an *infinite* loop:

```
n = 10
answer = 1
while n > 0:
    answer = answer + n
    n = n + 1
print(answer)
```

Which is the best explanation for why the loop does not terminate?

Selecione uma opção de resposta:

- ☐ `answer` starts at `1` and is incremented by `n` each time, so it will always be positive
- ☒ `n` starts at `10` and is incremented by `1` each time through the loop, so it will always be positive
- ☐ In the *while-loop* body, we must set `n` to `False` and this code does not do that
- ☐ One cannot compare `n` to `0` in a *while-loop*; it must be compared with another variable

Pergunta 5

Respondida

Pontuou 1 de 1

🚩 Retirar destaque

Assume you want to produce the following table:

```
0 0
0 1
1 1
```

What is correct Python code?

Selecione uma opção de resposta:

- ☐

```
for i in range(1, 2):
    for j in range(i, 2):
        print(j, i)
```
- ☐

```
for i in range(2):
    for j in range(2):
        print(i, j)
```
- ☒

```
for i in range(3):
    for j in range(i, 2):
        print(i, j)
```
- ☐

```
for i in range(3):
    for j in range(2):
        print(i, j)
```