**MANIPULANDO TEXTO**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | u | r | s | o |  | e | m |  | V | i | d | e | o |  | P | y | t | h | o | n |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

**FATIAMENTO**

* frase[9]

Ele te retorna o caractere que estiver na posição informada

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | u | r | s | o |  | e | m |  | **V** | i | d | e | o |  | P | Y | t | h | o | n |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | **9** | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

R: V

* frase[9:13]

Ele te retorna os caracteres presentes nesse intervalo

O primeiro número ‘9’ refere-se ao início e o último ‘13’ refere-se ao fim do intervalo

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | u | r | s | o |  | e | m |  | **V** | **i** | **d** | **e** | o |  | P | y | t | h | o | n |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | **9** | **10** | **11** | **12** | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

R: Vide

* frase[9:21]

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | u | r | s | o |  | e | m |  | **V** | **i** | **d** | **e** | **o** |  | **P** | **y** | **t** | **h** | **o** | **n** |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |

R: Video Python

* frase[9:21:2]

Ele te retorna os caracteres presentes nesse intervalo pulando de ‘2’ em ‘2’

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | u | r | s | o |  | e | m |  | **V** | i | **d** | e | **o** |  | **P** | y | **t** | h | **o** | N |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | **9** | 10 | **11** | 12 | **13** | 14 | **15** | 16 | **17** | 18 | **19** | 20 |

R: VdoPto

* frase[:5]

Quando o início do intervalo não está determinado, o seu início será o caractere ‘0’

Frase[:5] = frase[0:5]

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **C** | **u** | **R** | **s** | **o** |  | e | m |  | V | i | d | e | o |  | P | y | t | h | o | n |
| **0** | **1** | **2** | **3** | **4** | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

R: Curso

* frase[15:]

Quando o final do intervalo não está determinado, o seu fim será o último caractere

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | u | r | s | o |  | e | m |  | V | i | d | e | o |  | **P** | **y** | **t** | **h** | **o** | **n** |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | **15** | **16** | **17** | **18** | **19** | **20** |

R: Python

* frase[9::3]

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | u | r | s | o |  | e | m |  | **V** | i | d | **e** | o |  | **P** | y | t | **h** | o | n |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | **9** | 10 | 11 | **12** | 13 | 14 | **15** | 16 | 17 | **18** | 19 | 20 |

R: VePh

**MANIPULANDO TEXTO**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | u | r | s | o |  | e | m |  | V | i | d | e | o |  | P | y | t | h | o | n |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

**DIVISÃO**

* frase.split()

Ele separa as palavras uma das outras na frase e enumera-as, criando uma lista de palavras

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | u | r | s | o |  | e | m |  | V | i | d | e | o |  | P | y | t | h | o | n |
| 0 | 1 | 2 | 3 | 4 |  | 0 | 1 |  | 0 | 1 | 2 | 3 | 4 |  | 0 | 1 | 2 | 3 | 4 | 5 |
| 0 | | | | |  | 1 | |  | 2 | | | | |  | 3 | | | | | |

* ‘-‘.join(frase)

Ele realiza a junção das palavras em uma frase

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | u | r | s | o | - | e | m | - | V | i | d | e | o | - | P | y | t | h | o | n |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

* ‘ ‘.join(frase)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | u | r | s | o |  | e | m |  | V | i | d | e | o |  | P | y | t | h | o | n |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

**MANIPULANDO TEXTO**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | u | r | s | o |  | e | m |  | V | i | d | e | o |  | P | y | t | h | o | n |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

**TRANSFORMAÇÃO**

* frase.replace(‘Python’,’Android’)

O programa irá procurar o primeiro termo na frase e substituí-lo pelo segundo termo

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | u | r | s | o |  | e | m |  | V | i | d | e | o |  | **A** | **n** | **d** | **r** | **o** | **i** | **d** |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |

* frase.upper()

Transforma todas as letras em maiúscula

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | **U** | **R** | **S** | **O** |  | **E** | **M** |  | V | **I** | **D** | **E** | **O** |  | P | **Y** | **T** | **H** | **O** | **N** |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

* frase.lower()

Transforma todas as letras em minúscula

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **c** | u | r | s | o |  | e | m |  | **v** | i | d | e | o |  | **p** | y | t | h | o | n |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

* frase.capitalize()

Transforma todas as letras em minúscula exceto a primeira letra da frase

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | u | r | s | o |  | e | m |  | **v** | i | d | e | o |  | **p** | y | t | h | o | n |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

* frase.title()

Transforma todas as letras em minúscula exceto a primeira letra de cada palavra

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | u | r | s | o |  | **E** | m |  | V | i | d | e | o |  | P | y | t | h | o | n |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

* frase.strip()

Remove os espaços em branco que existem antes e depois da frase

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | A | p | r | e | n | d | a |  | P | y | t | h | o | n |  |  |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |

.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A | p | r | e | n | d | a |  | P | y | t | h | o | n |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |

* frase.rstrip()

Remove os espaços em branco que existem na direita (right) da frase

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | A | p | r | e | n | d | a |  | P | y | t | h | o | n |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

* frase.lstrip()

Remove os espaços em branco que existem na esquerda (left) da frase

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A | p | r | e | n | d | a |  | P | y | t | h | o | n |  |  |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |

**MANIPULANDO TEXTO**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | u | r | s | o |  | e | m |  | V | i | d | e | o |  | P | y | t | h | o | n |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

**ANÁLISE**

* len(frase)

Mostra o comprimento da frase

R: 21 caracteres

* frase.count(‘o’)

Conta quantas letras ‘o’ existem

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | u | r | s | **o** |  | e | m |  | V | i | d | e | **o** |  | P | y | t | h | **o** | n |
| 0 | 1 | 2 | 3 | **4** | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | **13** | 14 | 15 | 16 | 17 | 18 | **19** | 20 |

R: A letra ‘o’ apareceu 3 vezes

* frase.count('o', 0, 13)

Conta quantas letras ‘o’ existem no intervalo informado

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | u | r | s | **o** |  | e | m |  | V | i | d | e | o |  | P | y | t | h | o | n |
| 0 | 1 | 2 | 3 | **4** | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

R: A letra ‘o’ apareceu 1 vez

* frase.find(‘deo’)

Te informa quantas vezes foi encontrado o termo especificado e em qual posição ele começa

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C | u | r | s | o |  | e | m |  | V | i | **d** | **e** | **o** |  | P | y | t | h | o | n |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | **11** | **12** | **13** | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

R: Foi encontrado apenas uma vez esse termo na frase, ele começa na posição 11

* frase.find(‘Android’)

Não existe nenhum termo com essas especificações na frase, quando isso ocorrer o programa irá te dar como resposta o -1

R: -1

* ‘Curso’ in frase

Você irá perguntar se o termo que você especificou está ou não na frase, tendo como resposta apenas verdadeiro ou falso

R: True