@pythonessdatadiaries

Here are 10 Python string practice questions(basic level, along with their solutions(Don't skip the end):

🔹 Basic Level:

1.Print each character of a string:

Code:

```
s = "hello"
for ch in s:
    print(ch)
```

Output:

h

e

l

l

o

2.Check if a string is palindrome:

Code:

```
s = "madam"
s = s.lower().replace(" ", "")
print(s == s[::-1])
```

Output:

True

3.Count vowels in a string:

Code:

```
s = "Learn Python"
count = [1 for ch in s if ch.lower() in 'aeiou']
print(len(count))
```

Output:

3

4.Convert string to uppercase:

Code:

```
s = "python"
print(s.upper())
```

Output:

PYTHON

5.Replace space with hyphen:

Code:

```
s = "hello world"
print(s.replace(" ", "-"))
```

Output:

hello-world

6.Find length without using len():

Code:

```
s = "python"
count = 0
for _ in s:
    count += 1
print(count)
```

Output:

6

7.Check if string contains only digits :

Code:

```
s = "12345"
print(s.isdigit())
```

Output:

True

8.Remove all punctuations:

Code:

```
import string
s = "Hello, world!"
s = ''.join(ch for ch in s if ch not in string.punctuation)
print(s)
```

Without using library :

```
punctuations = '!"#$%&\'()*+,-./:;<=>?@[\]^_`{|}~'
x = "Hello,World!!"
new_str = ""
for i in x:
    if i not in punctuations:
        new_str+=i

print(new_str)
```

Output:

Hello world

9.Reverse a string:

Code:

```
s = "Python"
print(s[::-1])
```

Output:

nohtyP

10.Find most frequent character:

Code:

```
from collections import Counter
s = "hello"
print(Counter(s).most_common(1)[0])
```

Without using library :

```
s = "hello world"

d1 = {}
max_freq = 1

#to get freq of each element
for i in s:
    if i in d1:
        d1[i]+=1
    else:
        d1[i] =1

#to get max freq of an element and print it
for k,v in d1.items():
    if v > max_freq:
        max_freq=v
        key = k

print(f"({key},{max_freq})")
```

Output:

(l,3)