

Day 18: Coding Workshop part-2 python

6) Function to print ASCII value of string input

str
I/p str lib
print \rightarrow o/p
a \rightarrow ASCII
b \rightarrow ASCII

```
def print-ascii-of-string(string: str)  $\rightarrow$  None:
```

```
    for character in string:
```

```
        'ascii-value' = ord(character)
```

```
        print(f'{character} ASCII value is  $\rightarrow$  {ascii_val}
```

7) Function to get string length

step:

1) Iterate over each element (loop)

2) take counter variable

3) after iterate over each element

make counter = counter + 1

4) return counter variable

```
def length-of-string(string: str)  $\rightarrow$  tuple[str, int]:  
    counter = 0
```

```
    if string != None:
```

```
        for character in string:
```

```
            counter += 1
```

```
    return f'Length of {string}  $\rightarrow$  {counter}'
```

8) Function to count vowels for a given string

vowels = aeiou

string
I/p count_vowel \rightarrow o/p
count_vowels } int

```
def count_vowels(string: str) -> int:
```

```
    counter = 0
```

```
    if string is not None:
```

```
        for character in string:
```

```
            vowels = ['a', 'e', 'i', 'o', 'u', 'A', 'E', 'I',  
                    'O', 'U']
```

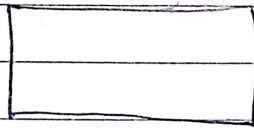
```
            if character in vowels:
```

```
                counter += 1
```

```
    return f"{string} has {counter} vowels"
```

Q. Function to Reverse a string of given string

string
input



dp
(gnirts)

Ex: [a][b][c]

[c][b][a]

} in memory
in java, c, py then

```
def reverse_string(string: str) -> str:
```

```
    reversed_string = ""
```

```
    for end in range(len(string)-1, -1, -1):
```

```
        reversed_string += string[end]
```

```
    return reversed_string
```


10) Function to get sum of all elements in the integer array getSum

Tip
array/list getSum-of-elements - 2 of p sum (int)

Step 2: Read one value at a time

Iterate \rightarrow loop

2) take sum variable value = 0

3) after iteration add elements with to the sum

4) $sum + items$ ~~#~~ $sum = sum + items$

5) return sum

def getSumOfAllElements (array: list[int]) \rightarrow int:

sum = 0

for items in array:

sum + items ~~#~~ $sum = sum + items$

return sum