

Djimpe July

Question 1

a) Size 1 = 7

b) Size 2 = 9

c) Str3 = ['A', 'f', 'r', 'i', 'c', 'o', 'n', 'i', 't', 'r', 'i', 'e', 's', 't']
= African Countries

d) Str4 = Afri

nocc = 1

Question 2

Input; an array of characters str
output; an integer s, the size of str
Begin;

s ← 0

IdWhile (str [s] != '\0') str [s] == "]

s ← s + 1

END; IdWhile

returns

Question 3

Djimpe July

Question 1

a) Size 1 = 7

b) Size 2 = 4

c) Str3 = ['A', 'F', 'r', 'Y', 'C', 'o', 'N', 'I', 'C', 'O', 'U', 'n', 't', 'r', 'i', 'e', 'S', 'D']
= African Countries

d) Str4 = Afri

nocc = 1

Question 2

Input; an array of characters str
output; an integer s, the size of str
Begin;

s ← 0

IdWhile (str [s] != 'D') str [s] == "]

s ← s + 1

END; IdWhile

returns

Question 3

```

INPUT; array of characters str
begin integer w
length integer e
OUTPUT; a Substring Str1 of Str
BEGIN;
    "Check if w is bigger than the l1 size
    of the string
    if (w ≥ strlen(str))
        return ("invalid begin point")
    end if
    "Check if the length is out of bound from the
    begin point
    if (l + b ≥ strlen(str))
        return ("the length is out of bounds")
    end if
    i ← 0
    while (i ≤ l)
        Str1[w] = str[w]
        i ← i + 1
        w ← w + 1
    END while
    return Str1
Stop

```

Question 4

Input; 01 character arrays str1 and character, char
 output; One integer, nocc

Begin;

 1 Display enter element of string
 Read Str.8

 Display enter character

 Read char

 " Count number of time character occurs

 " Count (s,c) functions

 noc ← count (Str.8, char);

END