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Course: CSC 235

Global Terrorist Algorithm

START

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FILE Open the file
Set file = openRead("terriost")
Import matplotlib module as plt
Declare empty arrays
FOR i in file:
        i = split i into a list of separated by tabs
        append index 0 of file to an array declared "first_index"
        append  index 1of the file to an array declared "second_index"
ENDFOR
COMPUTE number array = convert the strings values in second_index to integers
COMPUTE sum array = sum each row of the number array and store it as an array
FOR i in range 0 to the length of number array:
        Declare a variable search number = number array of index i
        FOR j in range 0 to the length of enumerate number array:
                IF search number == number array of index j:
                        Store j in one of the empty arrays declared "array grouping"
                END IF
        ENDFOR
ENDFOR
Declare a variable "similar id" = sort the similar numbers in 'array group' and store
only one copy
Function to get duplicate value:
        duplicate array =  []
         For i in range 0 to length of number array:
                value = number array of index i
                Count = 0
                For element in number array:
                        If element == value:
                                count += 1
                If count =1:
                        append 1 to duplicate array
                If count > 1:
                        append count to duplicate array
        return duplicate array
ENDFUNCTION
FUNCTION  assigning_ids:
        Ids = []
        For index in range 1 to length of similar id in the multiple of 2:
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                    prev =index _imilar[index-1]
                    current = index_similar[index]
                    ids.append(current)
                    ids.append(prev)
            Return ids
    ENDFUNCTION
    series_number = first_index
    Similar_id = assigning_ids()
    DISPLAY print(series_number, second_index, similar_id)
    print(series_number , second_index, dublicate array)
    FUNCTION bar_chart:
            plt.bar(series_number, duplicate array)
            plt.xlabel('series number)
            Plt .ylabel(Duplicate')
    ENDFUNCTION
    bar_chart()
END
```