

## Архитектура программы:

main.py

Переменные

argv

cont

container.in\_from\_file

container.in\_rnd

container.out

container.heap\_sort

out\_file

in\_file

size

time\_start

time\_end

Тюби

List[string]

List[string]

method

method

method

method

File

File

int

Time

Time

Container.py

- in\_from\_file(cont, plants\_data)

Переменные

cont

plants\_data

tree\_arr

type\_of\_plant

(tree/flower/shrub).in\_from\_file method.

Тюби

List[string]

string[]

List[string]

string

• in\_rnd (cont, size)

Переменная

cont

size

type of plant

tree\_arr, flower\_arr, shrub\_arr

tree/flower/shrub.in\_rnd

Turns

List [String]

int

int

List [String]

method

• out (cont, out\_stream)

Переменная

cont

out\_stream

count

Turns

List [String]

File

int

• heap-sort (cont)

Переменная

n

heapfy

Turns

int

method

Tree.py / flower.py / shrub.py

• in\_from\_file

Переменная

shrubs\_arr/tree\_arr/flower\_arr

command

Turns

List [String]

string[]

• in\_rnd

Переменная

shrubs\_arr/tree\_arr/flower\_arr

Turns

List [String]

• comparison Param

Переменная

name, vowel\_letters\_count

Turns

int, int