

Московский государственный технический университет им. Н.Э. Баумана

Факультет «Информатика и системы управления»

Кафедра «Системы обработки информации и управления»



“Разработка интернет-приложений ”

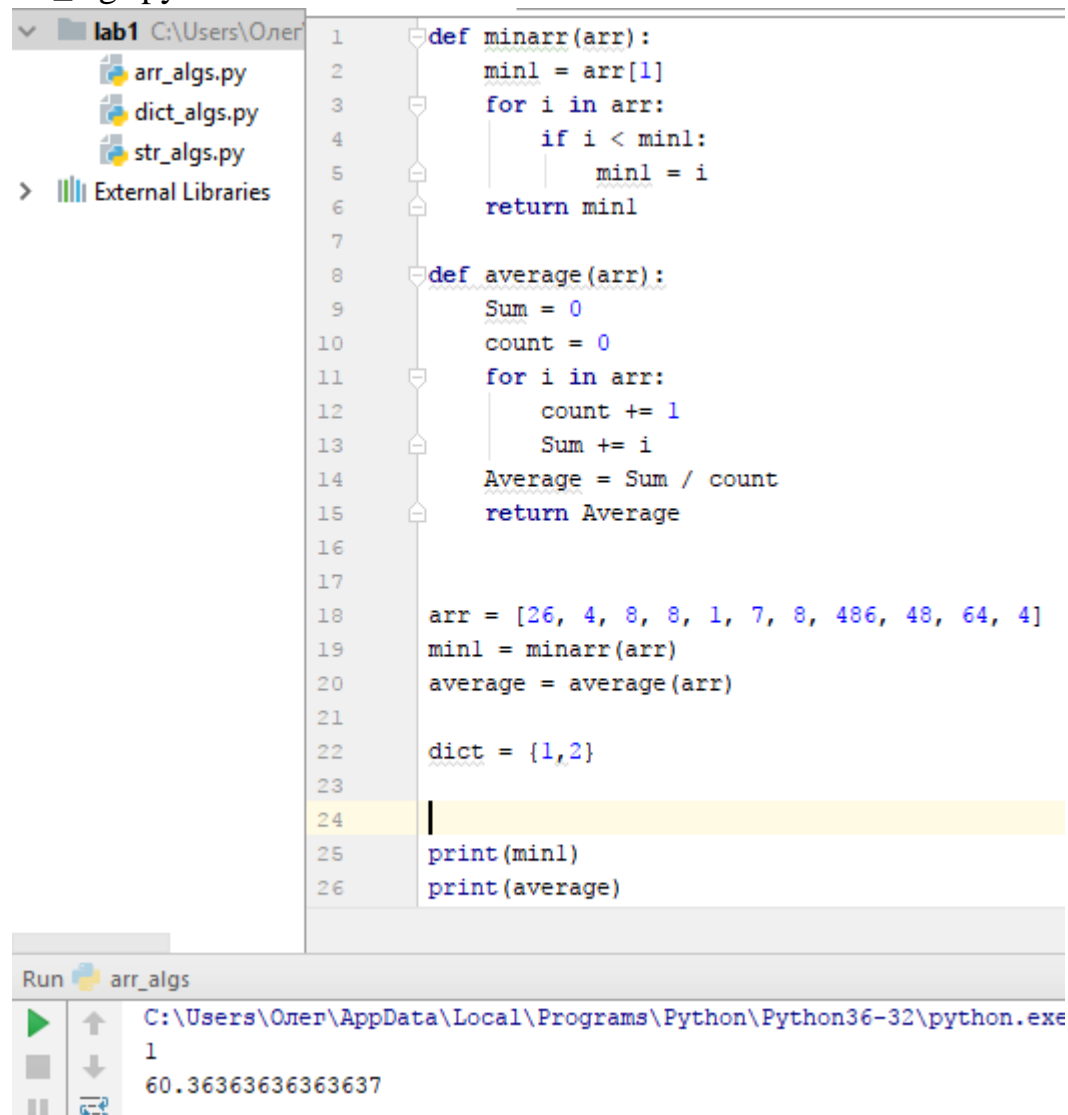
«Введение в Python»

Лабораторная работа № 2

Студент группы ИУ5 -53
Муравьев Олег

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arr_algs.py

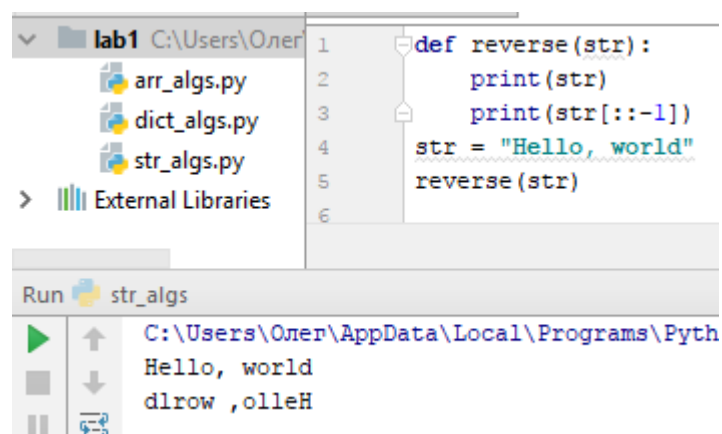


```
1 def minarr(arr):
2     minl = arr[1]
3     for i in arr:
4         if i < minl:
5             minl = i
6     return minl
7
8 def average(arr):
9     Sum = 0
10    count = 0
11    for i in arr:
12        count += 1
13        Sum += i
14    Average = Sum / count
15    return Average
16
17
18 arr = [26, 4, 8, 8, 1, 7, 8, 486, 48, 64, 4]
19 minl = minarr(arr)
20 average = average(arr)
21
22 dict = {1,2}
23
24
25 print(minl)
26 print(average)
```

Run arr_algs

C:\Users\Oler\AppData\Local\Programs\Python\Python36-32\python.exe
1
60.36363636363637

Str_algs.py



```
1 def reverse(str):
2     print(str)
3     print(str[::-1])
4     str = "Hello, world"
5     reverse(str)
6
```

Run str_algs

C:\Users\Oler\AppData\Local\Programs\Pyth
Hello, world
dlrow ,olleH

Dict_algs.py

lab1 C:\Users\Oleg

arr_algs.py
dict_algs.py
str_algs.py
External Libraries

```
1 def children18(emps):  
2     for i in range(0, len(emps)):  
3         for x in range(0, len(emps[i]["children"])):  
4             if emps[i]["children"][x]["age"] > 18:  
5                 print(emps[i]["children"][x]["name"])  
6     ivan = {  
7         "name": "ivan",  
8         "age": 34,  
9         "children": [{  
10            "name": "vasya",  
11            "age": 12,  
12        }, {  
13            "name": "petya",  
14            "age": 10,  
15        }],  
16    }  
17    darja = {  
18        "name": "darja",  
19        "age": 41,  
20        "children": [{  
21            "name": "kirill",  
22            "age": 21,  
23        }, {  
24            "name": "pavel",  
25            "age": 15,  
26        }],  
27    }  
28    emps = [ivan, darja]  
29    children18(emps)
```

children18()

Run dict_algs

↑

kirill