

lr2 > arr\_algs.py

arr\_algs.py × dict\_algs.py × str\_algs.py ×

1: Project

1: Structure

2: Favorites

1: Data View

Database

```
1 def find_min(arr):
2     if arr:
3         min = arr[0]
4         for el in arr:
5             if el < min:
6                 min = el
7         return min
8     else:
9         print('Массив пуст!')
10
11
12 def avr(arr):
13     if arr:
14         a = 0
15         for el in arr:
16             a = a + el
17         n = len(arr)
18         return a / n
19     else:
20         print('Массив пуст!')
21
22
23 a = [2, 8, 9, 11, 78, 1]
24 print(find_min(a))
25 print(avr(a))
```

Run arr\_algs

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```
/usr/bin/python3.5 /home/mariumi/PycharmProjects/lr2/arr_algs.py
1
18.166666666666668
Массив пуст!
None
Массив пуст!
None

Process finished with exit code 0
```

Python Console

Terminal

4: Run

6: TODO

Event Log

IDE and Plugin Updates: PyCharm is ready to update. (9 minutes ago)

21:9 LF UTF-8

```
arr_algs.py × dict_algs.py × str_algs.py ×
print('Массив пуст!')

def avr(arr):
    if arr:
        a = 0
        for el in arr:
            a = a + el
        n = len(arr)
        return a / n
    else:
        print('Массив пуст!')

a = [2, 8, 9, 11, 78, 1]
print(find_min(a))
print(avr(a))
b = []
print(find_min(b))
print(avr(b))
```

```
arr_algs
/usr/bin/python3.5 /home/mariumi/PycharmProjects/lr2/arr_algs.py
1
18.166666666666668
Массив пуст!
None
Массив пуст!
None

Process finished with exit code 0
```

lr2dict\_algs.py

dict\_algs

dict\_algs.py

str\_algs.py

1: Project

2: Favorites

3: Structure

```
1  ivan = {
2      "name": "ivan",
3      "age": 34,
4      "children": [{
5          "name": "vasja",
6          "age": 12,
7      }, {
8          "name": "petja",
9          "age": 10,
10     }],
11 }
12 darja = {
13     "name": "darja",
14     "age": 41,
15     "children": [{
16         "name": "kirill",
17         "age": 21,
18     }, {
19         "name": "pavel",
20         "age": 15,
21     }],
22 }
23 emps = [ivan, darja]
24 for emp in emps:
25     for ch in emp["children"]:
```

Run dict\_algs

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```
/usr/bin/python3.5 /home/mariumi/PycharmProjects/lr2/dict_algs.py
darja

Process finished with exit code 0
```

Python Console

Terminal

4: Run

6: TODO

PEP 8: no newline at end of file

27:31

LF

UTF-8

Event Log



arr\_algs.py × dict\_algs.py × str\_algs.py ×

```
        "name": "petja",
        "age": 10,
    }],
}
darja = {
    "name": "darja",
    "age": 41,
    "children": [{
        "name": "kirill",
        "age": 21,
    }, {
        "name": "pavel",
        "age": 15,
    }],
}
emps = [ivan, darja]
for emp in emps:
    for ch in emp["children"]:
        if ch["age"] > 18:
            print(emp["name"])
```

dict\_algs

```
/usr/bin/python3.5 /home/mariumi/PycharmProjects/lr2/dict_algs.py
darja
```

```
Process finished with exit code 0
```

Python Console Terminal 4: Run 6: TODO

Event Log

