

**Лабораторная работа №2 по дисциплине  
“Разработка интернет приложений”**

ИСПОЛНИТЕЛЬ:

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Цель работы:

Основная задача данной работы, знакомство с базовым синтаксисом Python.

Дополнительная задача знакомство с git и github.

1.

```
1 def perevorot(ssting):
2     result_string = ""
3     length_of_str = len(ssting)
4     while length_of_str != 0:
5         length_of_str -= 1
6         result_string = result_string + ssting[length_of_str]
7     return result_string
8
9 def main():
10     string = "qwerty"
11     print("replaced = ", perevorot(string))
12
13 main()
```

Результат:

```
> ('replaced = ', 'ytrewq')
>
```

```
1 def find_min(massiv):
2     min_value = massiv[0]
3     for value in massiv:
4         if value <= min_value:
5             min = value
6     return min
7
8
9 def average(massiv):
10     sum = 0;
11     for value in massiv:
12         sum += value
13     average_value = sum/len(massiv)
14     return average_value
15
16
17 def main():
18     array1 = [5,5,3,4,5,6,7,8]
19     print("min =", find_min(array1))
20     print ("average =", average(array1))
21
22
23 main()
```

2.

Результат:

```
Python 2.7.10 (default, Jul 14 2015, 19:46:27)
[GCC 4.8.2] on linux
>
('min =', 5)
('average =', 5)
>
```

3.

```
1 def find(employer_mass):
2     for empl in employer_mass:
3         for child in empl["children"]:
4             if child["age"] >= 18:
5                 print (empl["name"])
6                 break
7     return 0
8
9 ivan = {
10     "name": "ivan",
11     "age": 34,
12     "children": [{
13         "name": "vasja",
14         "age": 19,
15     }, {
16         "name": "petja",
17         "age": 12,
18     }]
19 }
20
21 darja = {
22     "name": "darja",
23     "age": 41,
24     "children": [{
25         "name": "kirill",
26         "age": 21,
27     }, {
28         "name": "pavel",
29         "age": 15,
30     }]
31 }
32
33 emps = [ivan, darja]
34
35 find(emps)
36
```

**Результат:**

```
Python 2.7.10 (default, Jul 14 2015, 19:46:27)
[GCC 4.8.2] on linux
>
ivan
darja
>
```