

**МИНИСТЕРСТВО ОБРАЗОВАНИЯ И НАУКИ РОССИЙСКОЙ ФЕДЕРАЦИИ**  
Федеральное государственное автономное образовательное учреждение  
высшего образования  
**СЕВЕРО КАВКАЗСКИЙ ФЕДЕРАЛЬНЫЙ УНИВЕРСИТЕТ**



**ЛАБОРАТОРНАЯ РАБОТА № 3**  
на тему: Условные операторы и циклы в языке Python  
по дисциплине: Основа кроссплатформенного программирования

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### Задание № 1

[https://github.com/iche7nousov/student\\_chernousov/blob/main/primer\\_one.py](https://github.com/iche7nousov/student_chernousov/blob/main/primer_one.py)

```
C:\Users\1\Documents\GitHub\student_chernousov\venv\Scripts\python.exe C:\Users\1\Documents\GitHub\student_chernousov\primer_two.py
Введите номер месяца: 2
Зима

Process finished with exit code 1
```

### Задание № 2

[https://github.com/iche7nousov/student\\_chernousov/blob/main/primer\\_two.py](https://github.com/iche7nousov/student_chernousov/blob/main/primer_two.py)

```
C:\Users\1\Documents\GitHub\student_chernousov\venv\Scripts\python.exe C:\Users\1\Documents\GitHub\student_chernousov\primer_four.py
Value of a? 12
x = 3.4641016151377544
X = 3.4641016151377544

Process finished with exit code 0
```

### Задание № 3

[https://github.com/iche7nousov/student\\_chernousov/blob/main/primer\\_three.py](https://github.com/iche7nousov/student_chernousov/blob/main/primer_three.py)

```
C:\Users\1\Documents\GitHub\student_chernousov\venv\Scripts\python.exe C:\Users\1\Documents\GitHub\student_chernousov\primer_three.py
Value of n? 1
Value of x? 2
S = 0.6931471805599453

Process finished with exit code 0
```

### Задание № 4

[https://github.com/iche7nousov/student\\_chernousov/blob/main/primer\\_four.py](https://github.com/iche7nousov/student_chernousov/blob/main/primer_four.py)

```
C:\Users\1\Documents\GitHub\student_chernousov\venv\Scripts\python.exe C:\Users\1\Documents\GitHub\student_chernousov\primer_five.py
Value of x? 12
Ei(12.0) = 14959.532666397517

Process finished with exit code 0
```

### Задание № 5

[https://github.com/iche7nousov/student\\_chernousov/blob/main/primer\\_five.py](https://github.com/iche7nousov/student_chernousov/blob/main/primer_five.py)

```
C:\Users\1\Documents\GitHub\student_chernousov\venv\Scripts\python.exe C:\Users\1\Documents\GitHub\student_chernousov\primer_one.py
Value of x? 234
y = -54755.0011833088

Process finished with exit code 0
```

# Индивидуальное задание № 1

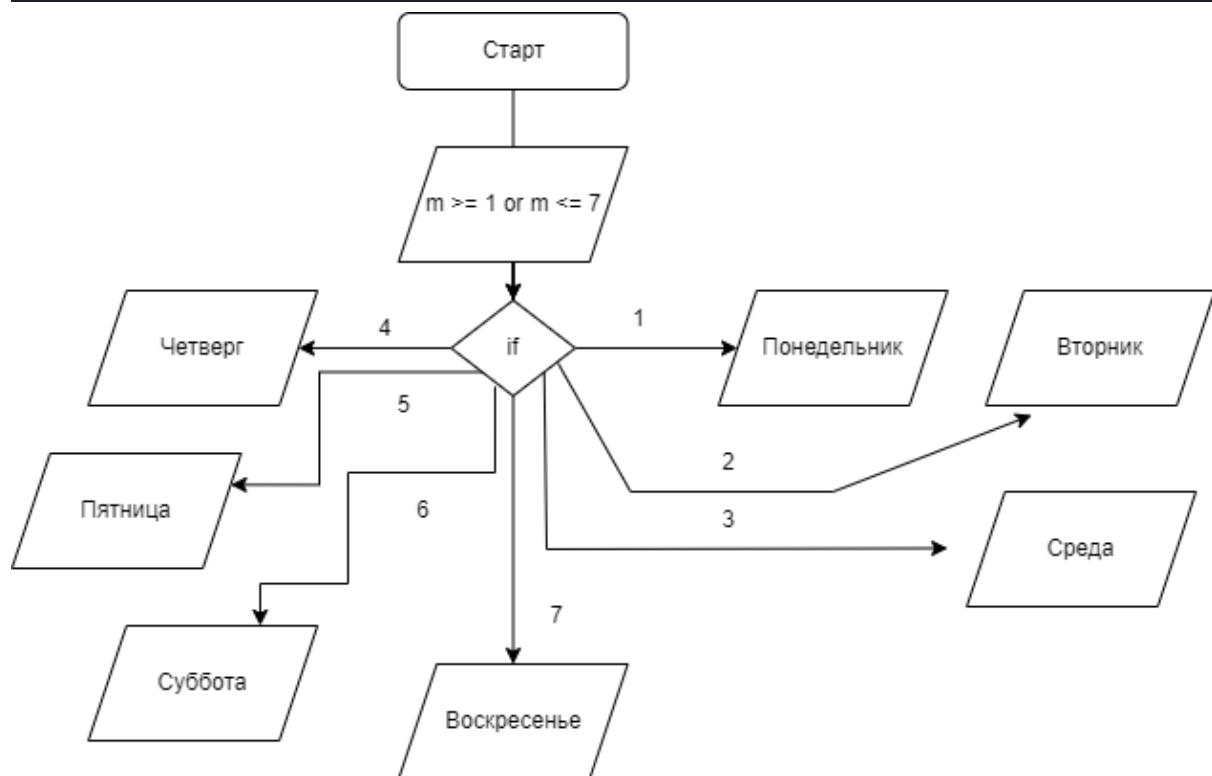
[https://github.com/iche7nousov/student\\_chernousov/blob/main/lab\\_3\\_individual\\_1.py](https://github.com/iche7nousov/student_chernousov/blob/main/lab_3_individual_1.py)

```
2 usages
def get_user_numbers(m):
    if m >= 1 and m <= 7:
        if m == 1: print("Понедельник")
        elif m == 2: print("Вторник")
        elif m == 3: print("Среда")
        elif m == 4: print("Четверг")
        elif m == 5: print("Пятница")
        elif m == 6: print("Суббота")
        elif m == 7: print("Воскресенье")
    else:
        get_user_numbers(int(input("Введите число от 1 до 7: ")))

if __name__ == "__main__":
    get_user_numbers(int(input("Введите число от 1 до 7: ")))
```

lab\_3\_individual\_1 x

C:\Users\1\Documents\GitHub\student\_chernousov\venv\Scripts\python.exe C:\Users\1\Documents\GitHub\student\_chernousov\lab\_3\_individual\_1.py  
Введите число от 1 до 7: 5  
Пятница  
Process finished with exit code 0



## Индивидуальное задание № 2

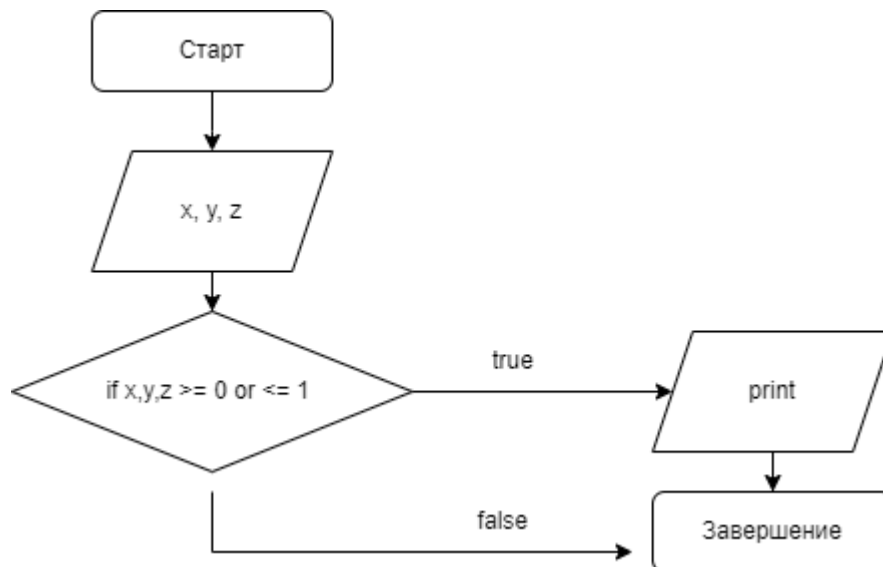
[https://github.com/iche7nousov/student\\_chernousov/blob/main/lab\\_3\\_individual\\_2.py](https://github.com/iche7nousov/student_chernousov/blob/main/lab_3_individual_2.py)

```
"""
Даны три действительных числа. Составить программу, выбирающую из них те, которые
принадлежат интервалу
"""
import random

if __name__ == "__main__":
    x = random.random()
    y = random.random()
    z = random.random()

    for i in x, y, z:
        if i >= 0 and i <= 1:
            print(i)

name__ == "__main__" > for i in x, y, z > if i >= 0 and i <= 1
lab_3_individual_2 x
:
C:\Users\1\Documents\GitHub\student_chernousov\venv\Scripts\python.exe C:\Users\1\Documents\GitHub\student_chernousov\lab_3_individual_2.py
0.8251776211793358
0.15029973235311855
0.20080030569305096
Process finished with exit code 0
```



### Индивидуальное задание № 3

[https://github.com/iche7nousov/student\\_chernousov/blob/main/lab\\_3\\_individual\\_3.py](https://github.com/iche7nousov/student_chernousov/blob/main/lab_3_individual_3.py)

```
if __name__ == "__main__":
    student = 5
    n = 0
    for i in range(1, 10):
        n += 2
        print(student + n)
```

name\_\_ == "\_\_main\_\_" > for i in range(1, 10)

lab\_3\_individual\_3

C:\Users\1\Documents\GitHub\student\_chernousov\venv\Scripts\python.exe C:\Users\1\Documents\GitHub\student\_chernousov\lab\_3\_individual\_3.py

7  
9  
11  
13  
15  
17  
19  
21  
23

