MINISTRY OF EDUCATION OF THE REPUBLIC OF BELARUS

EDUCATIONAL INSTITUTION

«BREST STATE TECHNICAL UNIVERSITY»

Department of IIT

**Laboratory work №4**

**For the third semester**

**Topic: «Python files and functions»**

Completed by the 2st year student of

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Checked by Khatskevich M.V.

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**Laboratory work №4**

**Topic: «Python files and functions»**

**Variant 1**

**Goal:** to learn the main principles of Python files input and output and Python functions.

**Task 1. (Python files)**

def remove\_newlines(fname):

flist = open(fname).readlines()

return [s.rstrip('\n') for s in flist]

print(remove\_newlines("test.txt"))



**Task 2. (Python functions)**

def max\_of\_two( x, y ):

if x > y:

return x

return y

def max\_of\_three( x, y, z ):

return max\_of\_two( x, max\_of\_two( y, z ) )

print(max\_of\_three(5, 7, -9))

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def abc():

x = 1

y = 2.45

str1= "ac57issbestgroup"

print("Python Exercises")

print(abc.\_\_code\_\_.co\_nlocals)

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**Conclusion:** learn the Python files input and output and Python functions. Write programs that show main principles of using files and functions.