МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ РОССИЙСКОЙ ФЕДЕРАЦИИ

Федеральное государственное автономное образовательное учреждение высшего образования «Северо-Кавказский федеральный университет»

Кафедра инфокоммуникаций

Отчет по лабораторной работе №2.3

по дисциплине «Основы программной инженерии»

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ВЫПОЛНЕНИЕ

Пример 1.

```
| ex1.py × |
| | #!/usr/bin/env python3 |
| # -*- coding: utf-8 -*- |
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```

Пример 2.

```
C:\Users\surai5a\Desktop\laba_2_3\P
Введите слово: тетрадь
тетадь

Process finished with exit code 0
```

Пример 3.

```
exit(1)
   delta = n
   for word in words:
       delta -= len(word)
   w, r = delta // (len(words) - 1), delta % (len(words) - 1)
   lst = []
   for i, word in enumerate(words):
       lst.append(word)
       if i < len(words) - 1:
           width = w
               width += 1
       if width > 0:
           lst.append(' ' * width)
print(''.join(lst))
       Введите предложение: маша не любит кашу
       Введите длину: 30
       маша
                          любит
                                      кашу
       Process finished with exit code 0
      Введите предложение: маша не любит кашу
      Введите длину:
      Заданная длина должна быть больше длины предложения
      Process finished with exit code 1
```

Индивидуальное задание 1.

```
18. Дано предложение. Определить долю (в %) букв а в нем.
#!/usr/bin/env python3
import sys
if __name__ == '__main__':
    s = input('Write something: ')
   if s.count(' ') == len(s) or len(s) == 0:
       print("There are no text", file=sys.stderr)
       exit(1)
    i = s.count('a') + s.count('A') + s.count('a') + s.count('A')
    percent = i * 100 / len(s)
    print(f"Percentage of 'a' in your text is: {percent}%")
        Write something: a A a A
        Percentage of 'a' in your text is: 57.142857142857146%
        Write something: mama nand
```

```
Write something: ama aso
Percentage of 'a' in your text is: 57.142857142857146%
```

```
Write something:
There are no text
Process finished with exit code 1
```

Индивидуальное задание 2.

18. Дано предложение. Заменить в нем все вхождения буквосочетания да на не.

```
import sys

def check(x):
    if x.count(' ') == len(x) or len(x) == 0:
        print("There are no text", file=sys.stderr)
        exit(1)

if __name__ == '__main__':
        s = (input("Your text: "))
        check(s)
    if 'da' not in s:
        print("There are no 'da' in your text")
        exit(0)

else:
        ss = s.replace("da", "He")
        print(f"Edited text: {ss}")
```

```
Your text: Ты любиш марожено? да
Edited text: Ты любиш марожено? не
Process finished with exit code 0
```

```
Your text: до да ДА ДА
Edited text: не не ДА ДА
Process finished with exit code 0
```

```
Your text: не не не
There are no 'да' in your text
Process finished with exit code 0
```

Индивидуальное задание 3.

18. Дано слово. Переставить его s-ю букву на место k-й (s < k). При этом (s+1)-ю, (s+2)-ю, ..., k-ю буквы сдвинуть влево на одну позицию.

```
Your word: καρτασ
Number of letter you want to cut: 3
Number of letter where you want to past:
Edited word: καρατσ
Process finished with exit code 0
```

```
Your word: ozypue
Number of letter you want to cut: 4
Number of letter where you want to past: 5
Edited word: orypeu
Process finished with exit code 0
```

```
Your word:
There are no word
Process finished with exit code 1
```

Задание повышенной сложности:

18. Дано предложение. Найти какое-нибудь его слово, начинающееся на букву к.

```
#!/usr/bin/env python3
# -*- coding: utf-8 -*-#!

import sys

def check(s):
    if s.count(' ') == len(s) or len(s) == 0:
        print("There are no word", file=sys.stderr)
        exit(1)

s = (input("Your text: "))
    cmack(s)

if ((' k' and ' K') not in s) and (s[0] != 'k' and s[0] != 'K'):
    print("There are no word in text with first letter 'k'")
    exit(0)

else:
    ss = s.split()
    print("There are words with first 'k': ")

for i in ss:
    if i[0] == 'k' or i[0] == 'K':
        print(i)
```

```
Your text: каратэ - путь пустой руки
There are words with first 'k':
каратэ
Process finished with exit code 0
```

```
Your text: Kolya is not Kolya, he is KAHA
There are words with first 'k':
Kolya
Kolya,
KAHA
```

```
Your text: клинок Karate Kupa кккк
There are words with first 'k':
клинок
кккк
Process finished with exit code 0
```

Карта веток и коммитов



Ссылки на репозитории

GitHub - https://github.com/surai5a/laba_2_3