

SW-zadanie 3

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March 2021

1 Zadanie 1

1.1 Program

```
import re

replaceFrom = "249031@student.pwr.edu.pl"
replaceTo = "test@test.pwr.edu.pl"
replaceUserAgent = "GrzmotowyPtak_1.2.3.4"
replaceMime = "1.00000000000001"

fIn = open("input.txt", "r")
fOut=open("output.txt","w")

text=fIn.read()
print("\\n\\n-----\\n",text,"\\n-----\\n\\n")
text=re.sub(r'(<=From:_)\\S+@\\S+',replaceFrom,text)
text=re.sub(r'(<=To:_)\\S+@\\S+',replaceTo,text)
text=re.sub(r'(<=User-Agent:_)\\S.*',replaceUserAgent,text)
text=re.sub(r'(<=MIME-Version:_)\\S.*',replaceMime,text)
fOut.write(text)
print("Po_zamianie_danych:")
print("\\n\\n-----\\n",text,"\\n-----\\n\\n")
fIn.close()
fOut.close()
```

1.2 Działanie programu

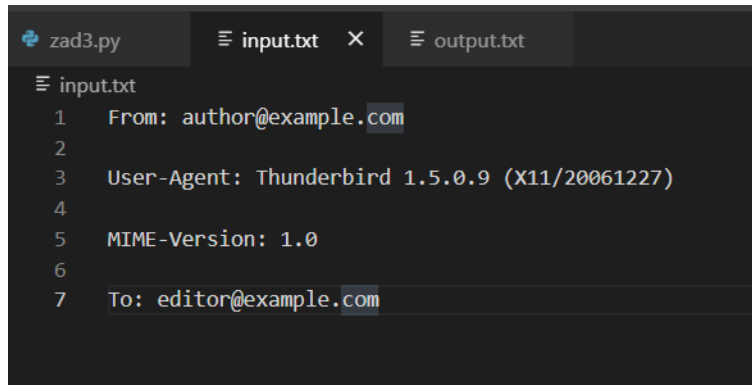
```
PS C:\Users\Denis Firat\Documents\GitHub\SystemyWbudowanie> python zad3.py

-----
From: author@example.com
User-Agent: Thunderbird 1.5.0.9 (X11/20061227)
MIME-Version: 1.0
To: editor@example.com
-----

Po zamianie danych:

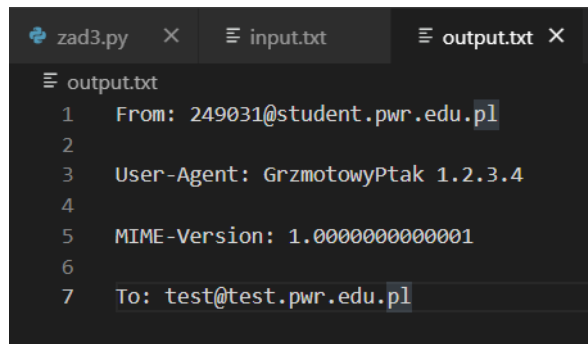
-----
From: 249031@student.pwr.edu.pl
User-Agent: GrzmotowyPtak 1.2.3.4
MIME-Version: 1.00000000000001
To: test@test.pwr.edu.pl
-----
```

Figure 1: Konsola po uruchomieniu programu



```
zad3.py  input.txt  output.txt
input.txt
1  From: author@example.com
2
3  User-Agent: Thunderbird 1.5.0.9 (X11/20061227)
4
5  MIME-Version: 1.0
6
7  To: editor@example.com
```

Figure 2: Plik input.txt z którego pobierany jest tekst



```
zad3.py  input.txt  output.txt
output.txt
1  From: 249031@student.pwr.edu.pl
2
3  User-Agent: GrzmotowyPtak 1.2.3.4
4
5  MIME-Version: 1.0000000000001
6
7  To: test@test.pwr.edu.pl
```

Figure 3: Plik output.txt do którego zapisywany jest przerobiony tekst