

ASSIGNMENT 3

23rd Oct 2022
Operating Systems

Sardar Muhammad Zeeshan
Khan (27969)
Sir Waqas Ahmed

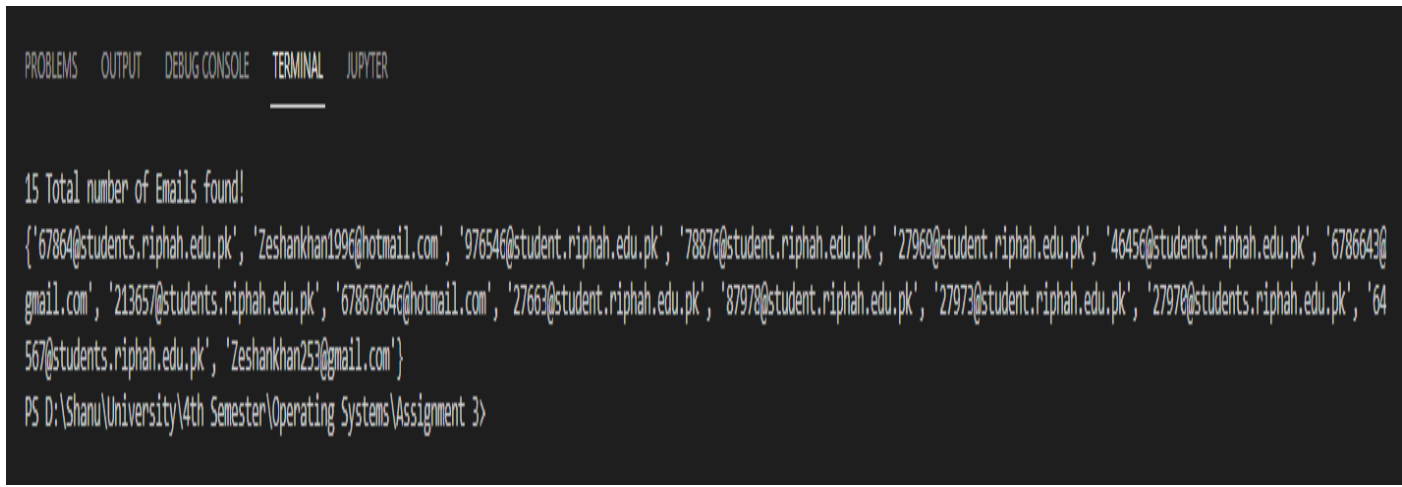
Code:

```
1. import re
2. fileToRead = 'Assignment 3 file.txt'
3. fileToWrite = 'EmailsExtracted.txt'
4. delimiters = [',', ';']
5. def validation(strEmail):
6.     if re.match("(.*@(.*)).*", strEmail):
7.         return True
8.     return False
9. def writeFile(listData):
10.    file = open(fileToWrite, 'w')
11.    strData = ""
12.    for item in listData:
13.        strData = strData+item+'\n'
14.    file.write(strData)
15. listEmail = []
16. file = open(fileToRead, 'r')
17. listLine = file.readlines()
18. for itemLine in listLine:
19.     item =str(itemLine)
20.     for delimiter in delimiters:
21.         item = item.replace(str(delimiter),' ')
22.     wordlist = item.split()
23.     for word in wordlist:
24.         if(validation(word)):
25.             listEmail.append(word)
26. if listEmail:
27.     uniqEmail = set(listEmail)
28.     print(len(uniqEmail),"Total number of Emails found!")
29.     print(uniqEmail)
30.     writeFile(uniqEmail)
31. else:
32.     print("No emails found.")
```

Code Url:

<https://pastebin.com/RBHJMmCk>

Output:



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

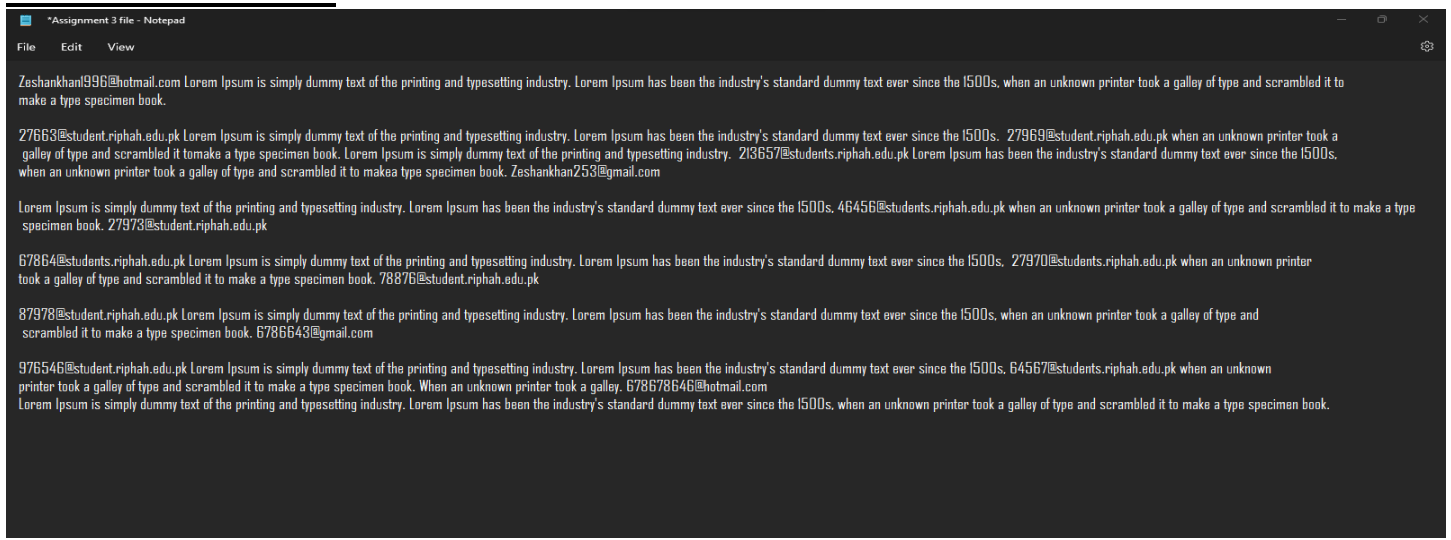
15 Total number of Emails found!
{'67864@students.riphah.edu.pk', 'Zeshankhan1996@hotmail.com', '976546@student.riphah.edu.pk', '78876@student.riphah.edu.pk', '27969@student.riphah.edu.pk', '46456@students.riphah.edu.pk', '6786643@gmail.com', '213657@students.riphah.edu.pk', '678678646@hotmail.com', '27663@student.riphah.edu.pk', '87978@student.riphah.edu.pk', '27973@student.riphah.edu.pk', '27970@students.riphah.edu.pk', '64567@students.riphah.edu.pk', 'Zeshankhan253@gmail.com'}
PS D:\Shanu\University\4th Semester\Operating Systems\Assignment 3>
```

Total numbers of Emails found are 15.

They are mentioned in the picture.

There is a attached file with the document which contains all the email addresses, which was created by the interpreter when the code was executed.

FILE USED:



```
*Assignment 3 file - Notepad
File Edit View

Zeshankhan1996@hotmail.com Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.

27663@student.riphah.edu.pk Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s. 27969@student.riphah.edu.pk when an unknown printer took a galley of type and scrambled it to make a type specimen book. Lorem Ipsum is simply dummy text of the printing and typesetting industry. 213657@students.riphah.edu.pk Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. Zeshankhan253@gmail.com

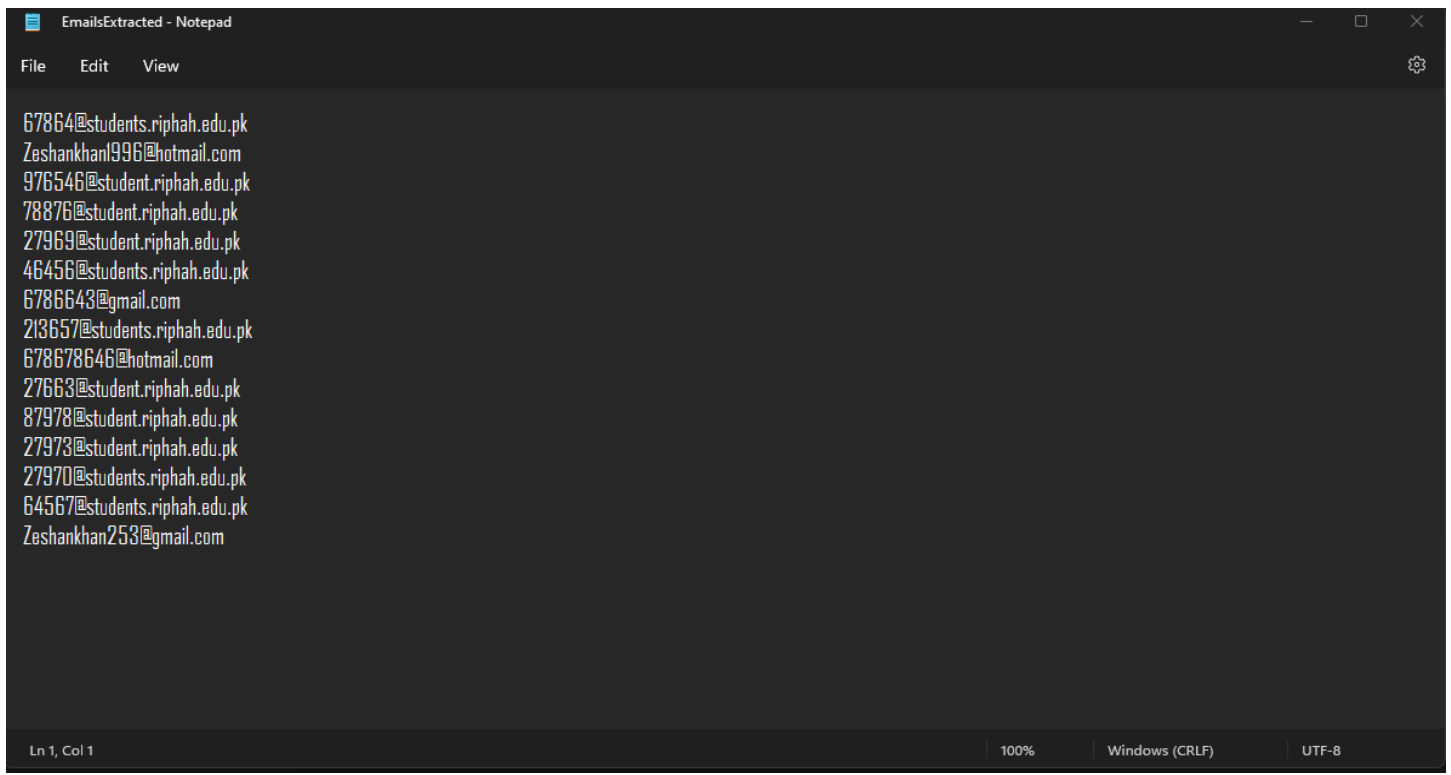
Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s. 46456@students.riphah.edu.pk when an unknown printer took a galley of type and scrambled it to make a type specimen book.

67864@students.riphah.edu.pk Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s. 27970@students.riphah.edu.pk when an unknown printer took a galley of type and scrambled it to make a type specimen book. 78876@student.riphah.edu.pk

87978@student.riphah.edu.pk Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. 6786643@gmail.com

976546@student.riphah.edu.pk Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s. 64567@students.riphah.edu.pk when an unknown printer took a galley of type and scrambled it to make a type specimen book. When an unknown printer took a galley, 678678646@hotmail.com
Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.
```

Extracted File:



```
67864@students.riphah.edu.pk  
Zeshankhan1996@hotmail.com  
976546@student.riphah.edu.pk  
78876@student.riphah.edu.pk  
27969@student.riphah.edu.pk  
46456@students.riphah.edu.pk  
6786643@gmail.com  
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27970@students.riphah.edu.pk  
64567@students.riphah.edu.pk  
Zeshankhan253@gmail.com
```

Ln 1, Col 1 | 100% | Windows (CRLF) | UTF-8