ASSIGNMENT 3

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Operating Systems

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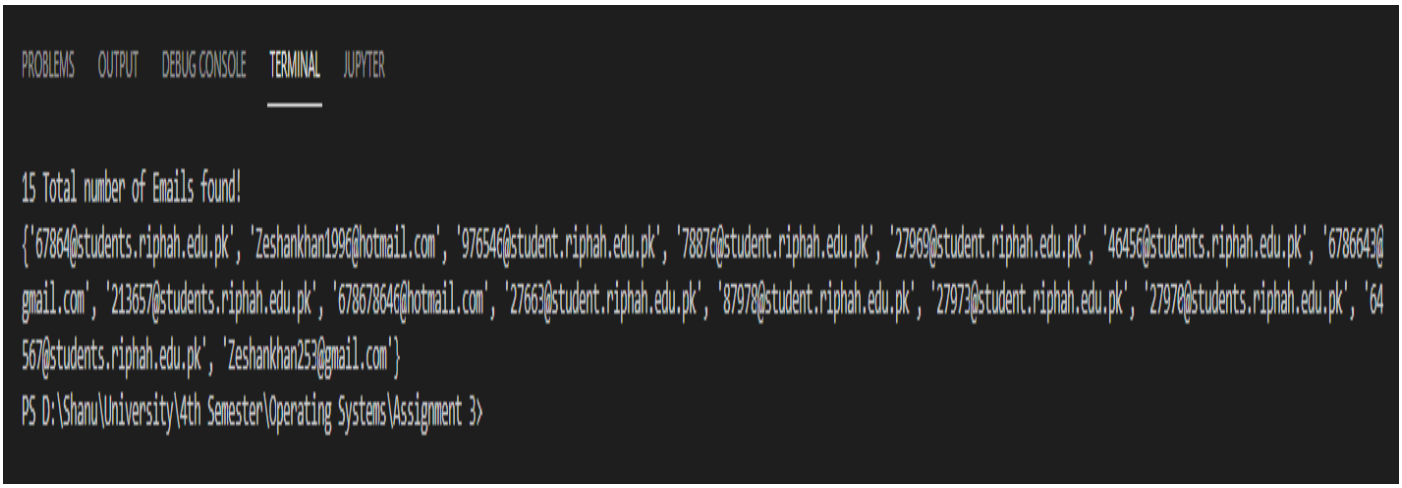
Code:

```
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 delimeter in delimiters:
21.         item = item.replace(str(delimeter),' ')
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:

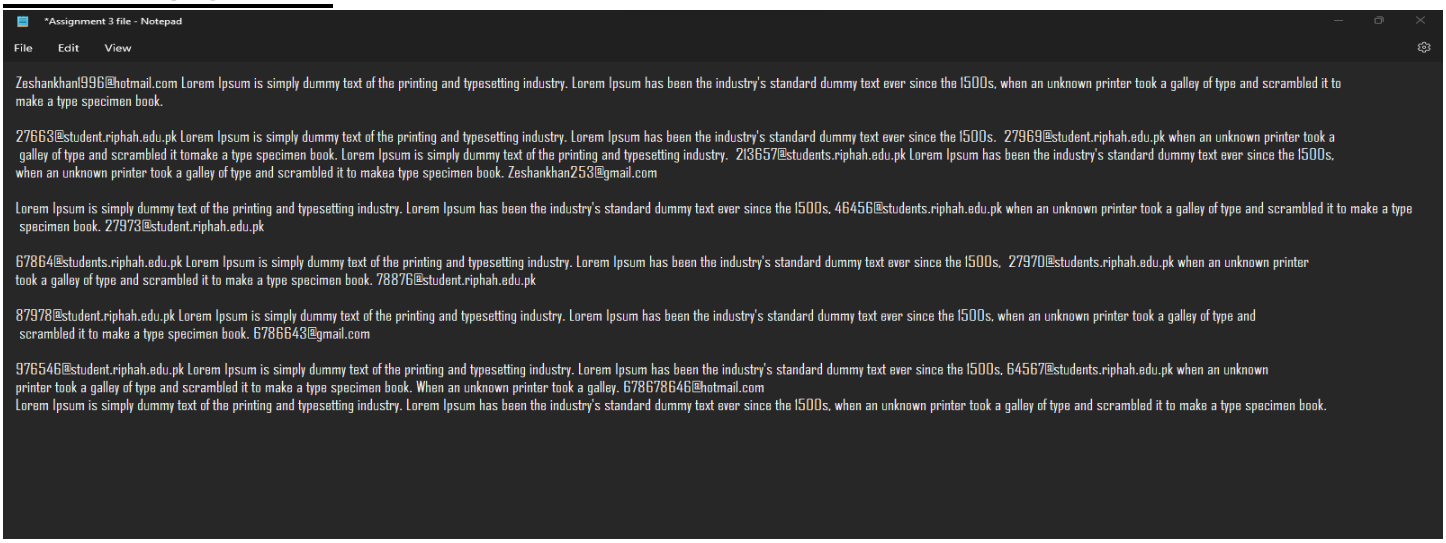
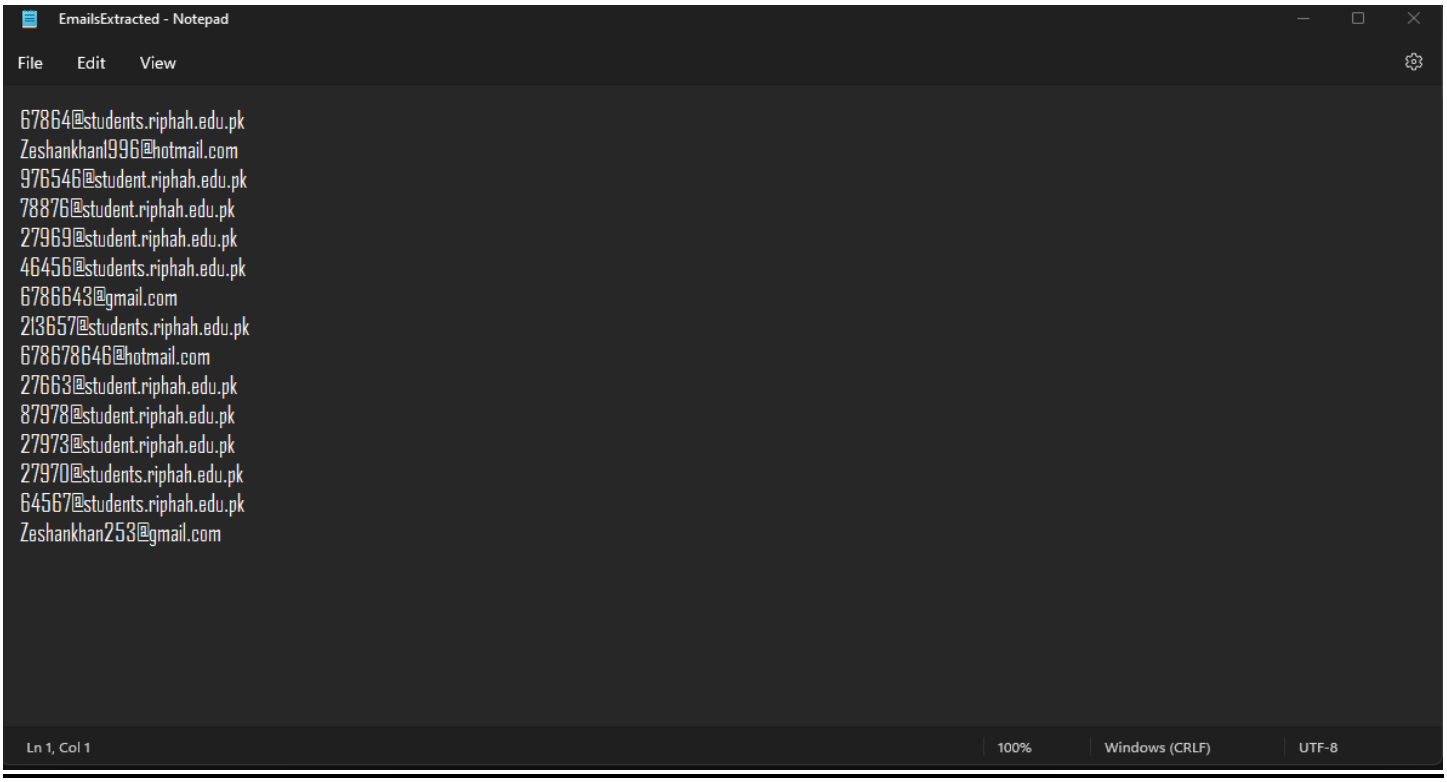
https://pastebin.com/RBHJMmCk

Output:



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:



Extracted File: