

Problems

1. Find and save in the *output.txt* file **a sorted list of all the unique** account names of the senders in the *mailbox.txt* file, i.e. those in the field **"From:"**
eg.:
From: wagnermr@iupui.edu → **wagnermr**
2. Find and save in the *output.txt* file **a sorted list of all the unique** revisions appeared in the **"Details:"** field of the *mailbox.txt* file:
eg.:
Details: <http://source.sakaiproject.org/viewsvn/?view=rev&rev=39758> → **39758**
3. Count programmatically how many emails there are in the *mailbox.txt* file and save **a list of the number of lines in each email** to the *output.txt* file.
4. Find and save in the *output.txt* file **a sorted list of all the unique** domain names of the senders in the *mailbox.txt* file, i.e. those in the field **"From:"**
eg.:
From: wagnermr@iupui.edu → **iupui.edu**
5. Find and save in the *output.txt* file **a sorted list of all the unique** confidence scores of the emails in the *mailbox.txt* file, i.e. those in the field **"X-DSPAM-Confidence:"**
eg.:
X-DSPAM-Confidence: 0.7558 → **0.7558**
6. Find and save in the *output.txt* file **a list of the number of lines of the log messages of each email** in the *mailbox.txt* file, i.e. those between the lines **"Log:"** and **"This automatic notification ..."**
eg.:
Log:
SAK-12065 Gopal - Samigo Group Release. SubmissionStatus/TotalScores/Questions View filter.

This automatic notification ...
→ **SAK-12065 Gopal - Samigo Group Release. SubmissionStatus/TotalScores/Questions View filter.**
7. Find and save in the *output.txt* file **a sorted list of all the unique** sent dates (month day, year) of the emails in the *mailbox.txt* file, i.e. those in the field **"Date:"**
eg.:
Date: Fri, 4 Jan 2008 04:47:30 -0500 → **Jan 4, 2008**
8. Find and save in the *output.txt* file **a sorted list of all the unique** ESMTP ids of the emails in the *mailbox.txt* file
eg.:
... ESMTP id 2AB513C2FD → **2AB513C2FD**
9. Find and save in the *output.txt* file **a sorted list of all the unique** IP addresses appeared in the *mailbox.txt* file, i.e. those in the field **"Received:"**
eg.:
Received: ... [134.68.220.122]) → **134.68.220.122**
10. Find and save in the *output.txt* file **a list of the number of lines** which contain the word **"gradebook"** in each email of the *mailbox.txt* file
eg.:

Subject: [sakai] svn commit: r39769 - in gradebook/trunk/app/ui/src: ...

→ [sakai] svn commit: r39769 - in **gradebook**/trunk/app/ui/src: ...

11. Find and save in the *output.txt* file **a sorted list of all the unique** Cyrus versions appeared in the *mailbox.txt* file
eg.:
Cyrus v2.3.8 → **v2.3.8**
12. Find and save in the *output.txt* file **a sorted list of all the unique** SMTP IDs of the emails in the *mailbox.txt* file
eg.:
... with SMTP ID 120 → **120**
13. Find and save in the *output.txt* file **a sorted list of all the unique** Message-IDs of the emails in the *mailbox.txt* file
eg.:
Message-ID: <200801041948.m04JmdwO007705@nakamura.uits.iupui.edu>
→ **200801041948.m04JmdwO007705**
14. Find and save in the *output.txt* file **a sorted list of all the unique** domain names of the recipients in the *mailbox.txt* file, i.e. those in the field "To:"
eg.:
To: source@collab.sakaiproject.org → **collab.sakaiproject.org**
15. Find and save in the *output.txt* file **a list of the number of lines** which contain the word "java" in each email of the *mailbox.txt* file
eg.:
services/src/java/org/sakaiproject/tool/assessment/shared/impl/grading
→ services/src/**java**/org/sakaiproject/tool/assessment/shared/impl/grading
16. Find and save in the *output.txt* file **a sorted list of all the unique** time values appeared in the *mailbox.txt* file
eg.:
4 Jan 2008 04:33:35 -0500 → **04:33:35**
17. Find and save in the *output.txt* file **a sorted list of all the unique** account names of the recipients in the *mailbox.txt* file, i.e. those in the field "To:"
eg.:
To: source@collab.sakaiproject.org → **source**
18. Find and save in the *output.txt* file the shortest line in the *mailbox.txt* file.