Forum - Reverse Index

Description:

| 0 Questions and 0 Answers | Ask New Question |

Build a full-text search index for the forum data in forum_data.tar.gz (see previous assignments for the data description).
Note: ignore case in the keyword.

Output format: top-100 keywords (ordered by the number of posts) followed by post IDs and character positions (start from 1) of the keyword, separated by tab and colon. If the keyword appears more than once in the body, only the first occurence needs to be considered.

Keywords that have the same number of posts are ordered by their string orders. Those keywords outside top-100 in the list are ignored, even if they have the same number of posts as the last keyword in the top-100 list.

For each keyword, the post IDs shall be ordered by their values.

For example：
course101   11000:3   11002:12   20032:13   31234:90
test   131:23   1232:92   3123:23
...
...

Note: ignore the 100 common English words listed at https://www.englishclub.com/vocabulary/common-words-100.htm:

1. the
2. be
3. to
4. of
5. and
6. a
7. in
8. that
9. have
10. I
11. it
12. for
13. not
14. on
15. with
16. he
17. as
18. you
19. do
20. at
21. this
22. but
23. his
24. by
25. from
26. they
27. we
28. say
29. her
30. she
31. or
32. an
33. will
34. my
35. one
36. all
37. would
38. there
39. their
40. what
41. so

42. up
43. out
44. if
45. about
46. who
47. get
48. which
49. go
50. me
51. when
52. make
53. can
54. like
55. time
56. no
57. just
58. him
59. know
60. take
61. person
62. into
63. year
64. your
65. good
66. some
67. could
68. them
69. see
70. other
71. than
72. then
73. now
74. look
75. only
76. come
77. its
78. over
79. think
80. also
81. back
82. after
83. use
84. two
85. how
86. our
87. work
88. first
89. well
90. way
91. even
92. new
93. want
94. because
95. any
96. these
97. give
98. day
99. most
100. us

Hint:

Hint is not available for this exercise.

Time limit:

Hard time limitation: 160 seconds

Standard answer spent time: 121 seconds

Your answer:

Already pass (hard) due date: June 1, 2015, 6 p.m. You can no longer submit your code to smart_programmer by yourself.

We don't accept late submission in principle. But if you really have a convincing reason, send the answer code to your TA by email and ask

her/him to submit it for you. Don't copy the standard answer. It will be considered as plagirism.

If you want to study the standard answer, you can add it as an optional assignment.

[Add this exercise as an optional assignment]

Hard due has passed. The standard answer is unlocked:

[*]mapper1.py | combiner1.py | [*]reducer1.py | [*]mapper2.py | combiner2.py | [*]reducer2.py | mapper3.py | combiner3.py | reducer3.py

```python
1.  #! /usr/bin/python
2.
3.  import
4.  import re
5.
6.  title1 = 'id\ttitle\ttagnames\tauthor_id\tbody\tnode_type\tparent_id\tabs_parent_id\tadded_at\tscore\tstate_string\tlast_
7.        = '\"id\"\t\"title\"\t\"tagnames\"\t\"author_id\"\t\"body\"\t\"node_type\"\t\"parent_id\"\t\"abs_parent_id\"\t\"add
8.
9.        = ["the", "be", "to", "of", "and", "a", "in", "that", "have", "I", "it", "for",
10.         "not", "on", "with", "he", "as", "you", "do", "at", "this", "but", "his", "by",
11.         "from", "they", "we", "say", "her", "she", "or", "an", "will", "my", "one", "all",
12.         "would", "there", "their", "what", "so", "up", "out", "if", "about", "who", "get",
13.         "which", "go", "me", "when", "make", "can", "like", "time", "no", "just", "him",
14.         "know", "take", "person", "into", "year", "your", "good", "some", "could", "them",
15.         "see", "other", "than", "then", "now", "look", "only", "come", "its", "over", "think",
16.         "also", "back", "after", "use", "two", "how", "our", "work", "first", "well", "way", "even",
17.         "new", "want", "because", "any", "these", "give", "day", "most", "us"]
18.
19.  def        (    ):
20.      if str_.startswith("\"") and str_.endswith("\""):
21.          return     [1:-1]
22.      else:
23.          return
24.
25.  def        (    ):
26.      if ':' in word or '(' in word or ')' in word or '#' is word or '\"' in word \
27.          or '=' in       or '!' in       or            ('\'') or       .           ('\"') or       .           ("\"")
28.          or word.endswith("\'") or "<a" in word:
29.          return False
30.      return True
31.
32.
33.  def        (    ):
34.      stuInfo = line.replace("\n", " ").split("\t")
35.              =       (      [0])
36.      node_type = getValue(stuInfo[5])
37.              =       (      [6])
38.      body = getValue(stuInfo[4])
39.      if            != "question":
40.          nodeId = parentId
41.
42.      wordList = getValue(body).split()
43.          =   ()
44.      for i in range(0, len(wordList)):
45.          if          [ ] == '':
46.              continue
47.              =        [ ].     ()
48.          if (word not in words) and (word not in notFound) and isWord(word):
49.                  .     (   )
50.              print "{0} {1}".format(word, nodeId + ":" + str(1 + body.find(wordList[i])))
51.
52.  flag = True
53.          = None
54.  for line in sys.stdin:
55.      if       ==        or       ==        :
56.          continue
57.
58.      items = line.strip().split("\t")
59.      if       (     ) > 4 and        (      [0]).      () and          (      [3]).      ():
60.          if currLine != None:
61.                  (          )
62.          currLine = line
63.      else:
64.          if currLine == None:
65.                  =
66.          else:
67.                  +=
68.
69.  if            != None:
70.      mapTo(currLine)
```

Random test input generator ():

```
1.
```

Discussion:

Discussion is not available for this exercise.

Latest Submission Grade: 10 (submitted on 2015-06-01 17:29)

```
==============================[Phase1: check_plagirism_cloudera]============================
Pass.

==============================[Phase2: cloudera_prepare]============================
Pass syntax checking. You got 10 points.

==============================[Phase3: cloudera_hadoop_py_streaming_local]============================
3 out of 3 local test cases execution fail(s). You get 0 out of totally 20 points.
Failed Test Case #0

   [Compare Info]
   +-------------------------------------------------------------------
   |Your result is different from the standard answer:
   |
   |
   |============lines that the standard answer contains, but your submission does not============
   |using 10010678:731 1022658:234 22346:202 3217:75 34142:90
   |1 1011652:96 1022658:189 22093:55
   |very 1022658:361 2227:338 34785:48
   |does 20508:8 44306:151 44306:8
   |problem 1022658:36 11004734:428 22093:7 28395:28 34785:157
   |works 1011652:477 32986:101
   |something 1022658:117 21954:91 24175:249
   |though 1010683:493 20508:174 21954:75 60990:154
   |therefore 11004734:400 21954:352 23150:127
   |i'm 1022659:117 2227:314 22346:198 24175:98
   |such 11004734:785 60990:374
   |mean 10010678:476 1022658:203 11004734:419 17452:58
   |comment 11929:39 20508:161 54321:43
   |able 10010678:492 1022659:24 21954:35 22304:13 4860:347
   |<p>i 1010683:290 1022658:1 1022659:1 21469:11 21954:1 22304:1 23190:1 29763:1 3341:1 34142:1 488:1 54
   |still 10010678:329 34142:41
   |answer 21189:102 22078:163 2227:111
   |the 1022658:134 11929:161
   |are 10010678:723 11929:276 9006697:208
   |mathematical 10010678:701 21954:386
   |more 11004734:543 11929:129 23190:173 24175:193 9006697:183
   |time, 11004734:729 54321:161
   |mentioned 10010678:150 28395:47
   |need 10010681:20 23978:120 25973:227 34785:102
   |is 1010683:6 1011652:10 1022658:291 11004734:211 11929:140 20508:132 20508:75 21189:139 21754:88 2224
   |says 11004734:261 23978:87 34142:50 44306:114
   |it 22346:174 23150:59 23978:84
   |you're 10010678:60 9006697:304
   |i'd 10010678:621 29763:212 32986:119
   |this 1011652:123 21754:86
   |list 1011652:9 20508:485 23974:114
   |should 1022659:199 22093:91 2227:156 28395:83 60990:228
   |same 10010678:430 1022658:14 21189:146 24175:332
   |doesn't 23150:19 28395:205 54321:103
   |much 1022659:36 11004734:538 21954:307 28395:222
   |really 34785:95 9006697:98
   |it's 10010678:324 1022659:255 21954:82 23190:151
   |code 1022658:138 11929:14 20508:90 21954:371 22304:37 22346:65 22728:7
   |<p>this 1010683:1 25441:105 26649:390 27469:1 54321:124 60990:1 9006697:1
   |<p>in 10010681:1 17452:1 22093:1 28395:1
   |</p> 34785:289 54321:119 9006697:370
   |number 11004734:355 2227:206 34785:235
   |try 1010683:533 21189:15 22196:11 34142:74 9006697:110
   |i 1011652:10 21189:29 34785:22
   |second 10010678:593 11004734:603
   |pretty 54321:183 9006697:14
   |doing 10010678:67 1022658:111 4860:104
   |is 44306:29 4860:344 54321:129 60990:6 9006697:6
   |been 22338:22 24175:188 29763:37 60990:19
   |right 11004734:214 21954:365 2227:132 9006697:117
   |don't 26649:64 3341:6 54321:6 9006697:43
   |am 1022658:106 11004734:163 21469:16 22304:6 22338:43 23150:75 23190:70 34142:6
   |case 10010681:12 11004734:632 24175:350 60990:366
```

```
|was 1010683:190 20508:341 21954:6 26649:398 29763:60 54321:36
|add 1011652:47 11929:373 29763:146
|that, 21754:147 9006697:387
|stooges 20508:272 20508:320
|value 11004734:299 20508:408 22078:32 23974:101
|type 10010678:657 488:13
|has 1011652:19 22338:18 23974:119 4860:60 60990:15
|maybe 1022659:189 24175:262 4860:287
|won't 1022659:15 22093:63
|
|============lines that your submission contains, but standard answer does not============
|are 10010264:723 11929:276 9006696:208
|using 10010264:731 1022379:234 22346:202 3217:75 34142:90
|code 1022379:138 11929:14 20508:90 21954:371 22304:37 22346:65 22728:7
|more 11004731:543 11929:129 23190:173 24175:193 9006696:183
|itself 1011647:521 11004731:844
|is 44306:29 4860:344 54319:129 60983:6 9006696:6
|i'm 1021939:117 2227:314 22346:198 24175:98
|list 1011647:9 20508:485 23974:114
|maybe 1021939:189 24175:262 4860:287
|doing 10010264:67 1022379:111 4860:104
|been 22338:22 24175:188 29763:37 60983:19
|something 1022379:117 21954:91 24175:249
|this, 10010264:35 25973:135
|is 1010614:6 1011647:10 1022379:291 11004731:211 11929:140 20508:75 21189:139 21754:88 22249:41 22346
|need 10010679:20 23978:120 25973:227 34785:102
|number 11004731:355 2227:206 34785:235
|problem 1022379:36 11004731:428 22093:7 28395:28 34785:157
|able 10010264:492 1021939:24 21954:35 22304:13 4860:347
|such 11004731:785 60983:374
|won't 1021939:15 22093:63
|try 1010614:533 21189:15 22196:11 34142:74 9006696:110
|right 11004731:214 21954:365 2227:132 9006696:117
|should 1021939:199 22093:91 2227:156 28395:83 60983:228
|<p>this 1010614:1 25441:105 26649:390 27469:1 54319:124 60983:1 9006696:1
|second 10010264:593 11004731:603
|really 34785:95 9006696:98
|still 10010264:329 34142:41
|though 1010614:493 20508:174 21954:75 60983:154
|was 1010614:190 20508:341 21954:6 26649:398 29763:60 54319:36
|1 1011647:96 1022379:189 22093:55
|mentioned 10010264:150 28395:47
|answer 21189:102 22078:163 2227:111 26649:424
|i'd 10010264:621 29763:212 32986:119
|pretty 54319:183 9006696:14
|same 10010264:430 1022379:14 21189:146 24175:332
|value 11004731:299 20508:408 22078:32 23974:101
|doesn't 23150:19 28395:205 54319:103
|therefore 11004731:400 21954:352 23150:127
|you're 10010264:60 9006696:304
|case 10010679:12 11004731:632 24175:350 60983:366
|<p>i 1010614:290 1021939:1 1022379:1 21469:11 21954:1 22304:1 23190:1 29763:1 3341:1 34142:1 488:1 54
|much 1021939:36 11004731:538 21954:307 28395:222
|time, 11004731:729 54319:161
|so, 21954:265 25973:127 44306:174
|has 1011647:19 22338:18 23974:119 4860:60 60983:15
|works 1011647:477 32986:101
|mean 10010264:476 1022379:203 11004731:419 17452:58
|issue 29763:15 60983:9
|don't 26649:64 3341:6 54319:6 9006696:43
|</p> 34785:289 54319:119 9006696:370
|am 1022379:106 11004731:163 21469:16 22304:6 22338:43 23150:75 23190:70 34142:6
|submit 23978:31 3341:20
|type 10010264:657 488:13
|it's 10010264:324 1021939:255 21954:82 23190:151
|comment 11929:39 20508:161 54319:43
|<p>in 10010679:1 17452:1 22093:1 28395:1
|i 10010264:41 1010614:293 1011647:10 1021939:4 1022379:4 11004731:161 21189:29 21754:58 21954:4 22196
|very 1022379:361 2227:338 34785:48
|add 1011647:47 11929:373 29763:146
|mathematical 10010264:701 21954:386
|that, 21754:147 9006696:387
|says 11004731:261 23978:87 34142:50 44306:114
+----------------------------------------------------------------

 [Test Input]
+----------------------------------------------------------------
|"54321"      ""        "cs101 "        "100005195"      "<p>I don't think it matters, there was no comment
|<p>This question is giving me a hard time, my algorithm is pretty ugly...</p>"      "answer"         "5
|"1010683"   ""        "cs373 "        "100010475"      "<p>This <a href=""https://docs.google.com/leaf?id
|<p>I have <a href=""http://binarymillenium.com/2008/07/velodyne-lidar-sample-data-getting-pcap.html""
|"22728"     "please help -- what am I doing wrong?" "cs101 help_needed homework2"    "100003932"       "<
|</code></pre>
```

```
<p>Sorry, homework code shouldn't be posted before the deadline.  /fnenu</p>"       "question"       "\
"21954"    "Using an ""and"" operator in homework 2"       "cs101 homework2 hw2 homework grading"  "1
"22078"    "hw 2.3 doubt"  "m-48727560 ps2-3 cs101"       "100002809"      "<p>we have to print the n
<p>or just write the function def?</p>
<p>got hw 1.2 incorrect due to fancy printing.. dont want to take risk<br>
answer soon!</p>"  "question"       "\N"     "\N"     "2012-03-06 17:19:41.472977+00" "1"        ""        "1
"44306"    "Not validated" "cs101 validated"       "100000710"      "<p>Why does it say my email is no
"9006697"  ""       "ph100 "       "100007518"      "<p>This is a pretty unintuitive thing. We don't t
<p>Not only that, but the force with which you are pushing on the ground is <strong>identical</strong
"1011652"  ""       "cs373 "       "100027424"      "<p>Your list only has one item in it. You can add
<ol>
<li>Manually: [1./n,1./n,1./n,1./n,1./n]. This is brittle because it can only work for 1 n</li>
<li>List comprehensions: [1./n for i in range(n)]. This is a fast a Pythonic way to express a loop.</
<li>A regular for loop: for i in range(n):p.append(1./n). This is the most basic and universal across
<li>The list multiplication operator: [1./n]*n. This is the most concise and works by adding (concate
</ol>"       "answer"       "1011647"       "1011647"       "2012-03-04 03:56:37.586806+00" "2"        "(
"3217"     "About Forums"  "cs101 info access"       "100007764"      "<p>How can I access to CS373 foru
<p>Iam using Gmail...</p>
<p>Best regards!!!</p>"  "question"       "\N"     "\N"     "2012-02-23 15:14:22.368382+00" "0"        "(
"22196"    "Dropping a course"       "cs101 unenroll"       "100005164"      "<p>When I try to unenroll
"21189"    "UNIT 3 testing the crawl in the test web page?!"       "cs101 unit3 web crawl" "10000465(
"25973"    "is homework 2 imparcial?"       "cs101 meta"       "100005570"      "<p>yes! for me.</p>
<p>because Im have tested it massively and all is ok both, in my python console and in the class cons
<p>thank's </p>"  "question"       "\N"     "\N"     "2012-03-08 05:08:17.469142+00" "0"        ""        "1
"25441"    "How I Calculated The Median"  "cs101 median math homework quiz"       "100008548"      "<
    return sorted([a, b, c])[len([a, b, c])/2]

print median(3,6,5)

</pre>

<p>This is how I did it and it worked without doubt!<br>
I hope it helps!</p>"       "question"       "\N"     "\N"     "2012-03-08 02:22:34.226175+00" "0"        ""
"21754"    "Hello people :) Anyone who speaks French? Anyone from India? Just wondering.." "cs101 stu
This is an awesome platform to make friends, I suppose. Take that, Zuckerburg ;)</p>"       "question"
"22304"    "Somebody please paste homework 2.5 loop codes below?"  "cs101 loops homework2 homework hw
"2227"     "Hi Peter, where am I able to see ""Answer?"""  "cs101 answer question location"       "1
<p>It appears that you responded to my question about ""Quiz Hello!!!, as I see ""1"" in the answer c
<p>Sorry that I'm so backward but I'm very appreciative if you can direct me where to go see your res
<p>Thank you very much!</p>"       "question"       "\N"     "\N"     "2012-02-22 22:48:15.517041+00" "(
"3341"     "Submit button" "cs101 submit" "100001823"      "<p>I don't see any submit button for both
"1022659"  ""       "cs373 "       "100009621"      "<p>I probably won't be able to put much time into
<p>[edit]: I just noticed I'm the only one (besides you) who's officially registered on the team. May
"1022658"  ""       "cs373 "       "100010185"      "<p>I get the same values, the only problem that i
ge.</p>
<p>(by 1 iteration I mean 1 full run over the table using a path finding method. after the 3rd run th
"30499"    "web applications"       "cs101 webapps" "100008149"      "<p>is google a web app.??</p>" "c
"28395"    "HW 3.3 is empty list special?" "cs101 hw3.3"   "100007648"      "<p>In the statement of th
Should we treat it in a special way or not? <br>
If the empty list is treated as any other list, it seems that the output doesn't make too much sense.
"34785"    "the greatest unit 3 h.m"       "cs101 greatest hw3.4" "100008174"      "<p>please people<
i now the due of this h.m very close,and im not even close to end  but i really need some way  of thi
the problem is i cant think of anything abuot how do i compare and hold the great number all the time
thanks<br>
thanks<br>
thanks  </p>"       "question"       "\N"     "\N"     "2012-03-13 20:34:06.907444+00" "0"        ""        "1
"27469"    "hw2.4 why is it wrong?"       "cs101 hw2.4"   "100007412"      "<p>This is my solution fc
<p>def countdown(n):<br>
        while n&gt;=1:<br>
          print n<br>
          n=n-1<br>
        if n==0:<br>
          stringa='Blastoff!'<br>
          return stringa<br>
        return n<br>
print countdown (5)</p>
<p>Tanks</p>"       "question"       "\N"     "\N"     "2012-03-08 17:02:51.714873+00" "0"        ""        "\
"23150"    "replace spy"   "cs101 unit3.13"       "100004580"      "<p>Hi,</p>
<p>Why doesn't </p>
<p>spy[2] = 8</p>
<p>work? It seems like I am changing only the third element in the array and therefore I am not creat
<p>Thanks </p>"       "question"       "\N"     "\N"     "2012-03-07 01:48:20.047274+00" "0"        ""        "\
"11929"    "Tips for beginners"       "cs101 tips"       "100006243"      "<p>Make your code easy to follow.
Comment often.<br>
Use well chosen names for variables and name your variables often.<br>
More lines is often better.<br>
The print function is your friend.<br>
Use the print function to print values of the well named variables when you are having problems.<br>
These steps will help you troubleshoot your code.</p>
<p>Anyone want to add to this list?</p>"  "question"       "\N"     "\N"     "2012-03-01 03:22:28.42963
"20508"    "Different Stooges Quiz"       "cs101 stooges" "100000343"      "<p>Why does the following
<pre><code>#We defined:

stooges = ['Moe','Larry','Curly']
```

```
#but in some Stooges films, Curly was
#replaced by Shemp.

#Write one line of code that changes
#the value of stooges to be:

['Moe','Larry','Shemp']

#but does not create a new List
#object.
</code></pre>
<p>Thanks</p>"    "question"      "\N"    "\N"    "2012-03-06 01:00:04.130345+00" "0"    ""    "\
"26649"    "HW 2-6 marked incorrect ?"    "cs101 hw2.6"    "100007136"    "<p>Hello,</p>
<p>My homework 2.6 is marked as incorrect, yet I don't understand why ....</p>
<p>def find_last(dictionary,word):<br>
    position = -2<br>
    while position != -1:<br>
        lastPosition = position<br>
        position = dictionary.find(word,position+1)<br>
    if lastPosition == -2:<br>
        return -1<br>
    return lastPosition</p>
<p>print find_last('', 'b')</p>
<p>This was returning the correct answer for all the weird test cases, and the normal ones ?_? I'm ki
"488"    "CS101 Cannot type Python Program"    "cs101 python" "100000337"    "<p>I cannot type
"21469"    "hello, koreans?"    "korean cs101 meta studygroup" "100004712"    "<p>hi</p>
<p>i am  in Busan. anyone from korea here?</p>"    "question"    "\N"    "\N"    "2012-03-06 12:11:
"22249"    "Why is string immutable?"    "cs101 string"    "100004156"    "<p>Just wonder why this c
"23243"    "locked out of course content"    "cs101 locked out"    "100006336"    "<p>Completely loc
"25446"    "Homework 3 Due When?"    "cs101 homework"    "100005603"    "<p>Can someone tell where
<p>Thanks.</p>"    "question"    "\N"    "\N"    "2012-03-08 02:24:17.445025+00" "0"    "(closed)"
"23974"    "Pop Quiz, unit 3.31"    "cs101 references lists pop 3.31"    "100004168"    "<p>When x
"4860"    "Will there be a calender showing the start date of classes?"    "cs101 classes organize"
<p>Will there be a calender showing when all future classes start and maybe how often they will be re
"60990"    ""    "cs101 "    "100008268"    "<p>This issue has been noted elsewhere and <a hre
<p>Just resubmit and you should be fine. Also, a good idea to get an IDE (Integrated Development Envi
<p><a href=""http://www.udacity-forums.com/cs101/questions/59970/deleting-submissions?page=1&amp;focu
<p><a href=""http://www.udacity-forums.com/cs101/questions/59790/so-you-think-youre-done-check-your-p
"11004734" ""    "cs215 "    "100022094"    "<p><a href=""http://forums.udacity.com/users/1000
<br>obviously I am not an expert, so I don't dare saying Skiena is right or wrong.<br>
<br>Accordingly to what he says in his book, given a graph and a value k, it is possible to verify if
<br>Perhaps that ""expected"" could make a difference or not, but I believe Skiena is a much more rel
<br><br>
<br>EDIT: on second thought, if the worst case is exponential, that would mean that at least one cert
"10010681" ""    "st101 "    "100074157"    "<p>In that case we need to specify <strong>approx
distributed :-)</p>"    "comment"    "10010679"    "10010677"    "2012-08-08 07:56:02.34147
"23978"    "Can't Submit Homework or Questions on Unit 3" "cs101 bug"    "100003297"    "<p>Since
"24175"    "HW3.8 easier than HW3.7?"    "cs101 homework3 sudoku maxdepth"    "100005367"    "<
<p>Obviously I'm asking because I did!! HW3.8 is rated ""3 Golden Starts"" and, therefore, it should'
<p>Anyway, I think I can overlooked something or maybe my HW is just wrong!! So I want to ask if anyo
"10010678" ""    "st101 "    "100103717"    "<p>Right, so after poring through this, I have to
<p>One minor thing: when you move to take the standard deviation of x, it's still written as x(i) in
<p>Also, I'd love to know how you're able to type in all of these amazing subscripts and mathematical
"22338"    "Are the embedded questions in the Units graded?"    "cs101 newquestion help embedded"
"29763"    "Adding comments to functions." "cs101 homework comments"    "100001711"    "<p>I know
<p>Can we add comments to our procedures? My sudoku checker is 37 lines and I'd like to have comments
"23190"    "Do code quizzes seem easier than multiple choice?"    "cs101 quizzes" "100004141"    "<
"22093"    "HW 2.5 , logic problem"    "cs101 hw2.5"    "100004755"    "<p>In problem 2.5 , any p
"34142"    "try again in quiz 4.6" "cs101 4.6"    "100000334"    "<p>I am getting the required outp
"17452"    "Homework 2 Question 2 doubt"    "cs101 side-effect hw2.2"    "100000522"    "<p>In Hom
<p>Do they(side-effects) mean with reference to the caller or with reference to the local variables i
"22346"    "Online Interpreter Working.... forever"    "cs101 website-issue"    "100002894"    "<
"32986"    "Calling the Value of a nested List"    "cs101 hw3.8 list nested"    "100008006"    "<
<p>What is wrong with this syntax?</p>
<p>q[i][j]=p[j][i]</p>
<p>how do you call an element from within a nested list?</p>"    "question"    "\N"    "\N"    "2
```

```
    +-------------------------------------------------------------------


Failed Test Case #1

    [Compare Info]
    +-------------------------------------------------------------------
    |Your result is different from the standard answer:


    |===========lines that the standard answer contains, but your submission does not============
    |what 4689:124 5256:139 5504:162 56492:118 6350:24 6354:4
    |<p>from 1102:1 4692:1 4915:1 66192:1 6705:1 7061:1 8018:1
    |is 6222:13 6344:43 6346:89 6353:13 6514:35 6697:122 6852:88 6911:227 6932:76 7094:211 7097:115 7226:2
    |won't 10142:434 12329:132 3435:291 4802:48 5908:119 5912:36
    |lot 16036:66 4144:593 4144:625 4486:483 4586:23 5504:449 6075:252 7094:292 7832:63
```

```
possible 11705:320 18439:45 5507:93 5510:56 5639:157 6338:53 7824:169 8301:295 9662:21
don't 5412:6 5504:477 5639:246 5640:8 5655:6 59186:33 7095:192 7097:210 7226:13 7255:7 7468:32 7469:6
was 11873:213 12158:85 12249:33 12939:131 13714:217 15164:6 16028:148 18674:6 2340:124 2575:65 27444:
had 11337:6 27912:573 4677:120 4801:29 5657:11 6078:523 6697:286
actually 27912:100 439:90 4798:213 5252:6 5519:117 6923:232 7256:14
where 10142:449 11873:240 27912:1264 34275:11 3435:187 4144:513 5528:396 6072:38 6075:205 9350:96
very 16036:484 27912:940 3916:92 5166:418 5263:14 5504:336 5510:90 6075:347 7258:48 7471:77 7474:37 7
nice 10142:390 5638:41 6354:551 6355:16 6911:261 7258:19
did 12843:16 15583:60 27912:93 29154:109 5166:44 5252:118 5261:177 56492:165 7458:6 9833:16
code 4677:794 4915:13 5032:69 52204:24 5252:40 5262:335 5267:63 5509:297 5511:29 5519:78 5640:150 607
got 11876:50 12939:209 29154:205 3939:260 4912:261 5166:88 5252:434 5660:6 719:19 7468:12 7826:69 887
last 24285:174 3945:98 4677:28 5256:23 5262:597 5510:156 7472:47 7824:40 9981:11
string 1102:42 16028:704 18674:60 20516:37 3945:275 4677:405 4694:40 5159:34 5388:159
really 2001437:73 31354:8 3432:95 5024:9 5509:257 5660:94 5786:23 6076:102 6078:262 7226:6 7258:134 7
few 20335:136 23750:76 4144:208 4486:229 4677:352 5504:341 5907:158
answer 4678:18 5412:102 5648:160 5657:85 5794:199 6071:14 6075:7
should 4913:59 52204:8 5256:144 5639:431 6338:83 6932:22 7226:69 9805:198
the 3432:15 4486:153 5024:138 5657:54 5908:91 6354:41 6697:110 7472:43 7824:36 8307:241 8874:40
solution 4896:96 5267:27 5412:241 5908:95 6078:413 9245:27
didn't 27912:93 32442:197 3939:110 4801:56 4910:59 5510:25 6075:404 9008:41 9842:84
been 11337:89 12496:48 18440:137 20335:122 27912:262 3945:238 4677:124 5262:553 5639:22 5907:151 6078
am 11060:6 12158:39 2001437:70 2340:59 2575:26 25763:99 29154:185
are 11895:217 11999:16 16028:521 18438:129 18439:12 18440:46 24285:8 27912:936 29535:11 31270:52 3474
working 3056:723 4677:803 4798:77 4801:11 6078:58 6218:50
why 11876:125 16028:883 2181:67 5166:328 5252:593 5504:382 9347:150 9355:132 9721:15
<p>if 11705:623 18439:1 23745:1 4691:1 5257:1 56492:155 8114:141 8817:1
doing 11060:9 11337:163 3435:266 4486:340 4691:151 4912:419 5157:171 5639:284 6078:195
unit 3435:239 3939:46 5411:64 5422:138 7256:252 7256:51 7323:233 7472:168 8813:18 8813:47 9666:33
<a 42989:10 4677:901 4681:49 4697:23 4744:69 4798:298 4904:167 4910:91 4912:157 5039:47 5262:22 5516:
can't 16028:7 18440:85 5166:332 5422:85 5639:341 6861:109 7472:153 7885:12
still 4912:644 5252:727 5657:191 6338:90 7885:6 8815:183 9004579:86 9662:15
while 5528:76 6076:361 6078:293 6078:475 6697:332 9004579:204
something 5655:78 5778:123 6861:144 6923:73 7468:94 8021:143
same 11337:15 27444:266 27912:214 5032:193 5157:81 5252:694 5262:635 56492:173 5657:19 5794:265 6077:
<p>i 10142:1 11060:1 11337:1 11705:1 11999:1 12246:1 12939:204 15583:13 18674:1 2013283:1 21009:1 312
i'm 12307:39 27912:525 31354:4 4912:818 5157:107 5422:9 6076:271 6086:131 7836:4 9156:88
str() 3945:300 4677:430 4689:85 5411:110 5510:114 5510:143 5638:17
<p>the 16028:561 25763:1 27912:229 5157:1 5656:1 5784:1 6071:1 6697:264 7546:1 8813:1 9837:1
videos 10142:30 23750:36 4678:25 4744:318 5157:275 5411:294 6072:76
need 11873:256 5411:87 5511:12 5640:19 56492:188 5654:51 6513:11 6923:756 7094:317 7255:13 8817:54 92
value 11876:100 11895:27 25763:37 27912:1206 5388:148 6852:29
using 12307:43 24285:12 3939:25 4677:337 5018:37 5262:558 5388:541 5411:33 5422:113 5639:75 5656:80 5
answers 10142:90 12158:19 18440:27 23745:12 4679:23 4798:201 4896:114 6348:23 7097:51 7548:94 9830:17
has 11337:85 13166:17 2001437:116 20516:170 27912:1087 4691:167 4906:105 4912:45 5504:25 5516:127 563
am 5267:12 6076:59 6509:6 6861:48 6932:100 7323:213 7824:367 8645:6 9004579:136 9667:6
going 3454:105 3474:62 4677:1046 6072:32 6923:324 9156:92 9301:17
already 18438:142 20335:109 27912:605 4677:365 4916:11 5157:229 5640:111 8813:29
people 4144:544 4586:32 5504:345 5907:101 625:20 6697:28 9722:142
try 4486:477 4694:64 4796:44 56492:136 5778:155 5907:286 6086:170 9724:105 9805:352
test 11705:353 4691:137 4802:54 4896:10 5032:54 5257:19 5912:42 6353:19 7258:122 7836:416
homework 12496:22 13714:128 15095:54 16028:801 18438:55 18439:27 21772:172
more 10142:71 16036:349 2001437:125 2016636:266 2181:143 27444:333 3435:169 4486:283 4586:27 4694:16
programming 5261:277 5656:93 5907:116 6071:174 6078:99 6923:107 8814:67 8815:81 8874:269
were 5261:90 5658:77 5789:10 6355:49 7472:75 7824:57 8815:15
if 11895:104 12246:169 13714:148 4677:836 4694:57 4798:92 4904:313 5157:219 5267:77 5509:192 6513:150
without 3945:60 4677:559 5412:74 5422:212 5507:102 5907:108 6923:655 7885:44 9155:66
many 16028:863 21009:37 4912:592 5509:149 5639:36 6075:318 6076:85 6513:371 8301:290 9722:137
you 5019:86 5411:4 5412:115 5639:49 7226:65 9350:4 9805:344
rather 16036:397 27912:1227 439:160 4677:718 5262:96 5267:140 6076:325 9156:104 9842:156
old 10023:13 18438:76 5252:69 5656:333 6075:109 6078:184 7461:18 8654:20 8816:18
hope 2340:30 4586:6 4782:214 5261:299 5521:394 6697:460 7254:16 7474:57 8466:70
course 5021:25 5509:42 5789:109 6071:136 6072:69 6075:136 6076:21 6932:61
<a 6911:170 7061:9 7094:7 7095:124 7195:110 7255:62 8110:83 8301:183
should 11705:16 12248:186 18438:8 20516:49 27445:26 439:58 4486:327 4586:162 4673:114
put 2013283:107 31354:119 3435:47 52204:15 6697:235 9155:39 9353:10 9981:295
read 6071:100 6078:530 7254:29 7548:6 7826:139 8817:89 9008:24 9244:57 9839:88
keep 27912:1012 3916:46 4801:141 5907:25 719:40 8021:51 9244:9
pretty 11060:428 12496:53 4912:822 5166:137 5519:126 6911:254 7457:8
may 11873:95 13714:245 16028:481 3916:9 4691:31 4801:87 5504:375 5639:53 7548:62 9805:630
it's 11876:16 3435:15 3945:35 4144:69 439:4 5422:154 5519:112 5640:259 6697:12 7095:109
same 7097:193 7458:14 8651:19 8658:9 9156:18 9837:8
print 11060:225 16028:623 25763:80 27444:123 27445:8 27865:243 27912:295
it's 8021:36 8109:233 8654:38 8654:92 8815:178 8817:276 8882:13
start 11895:75 12246:89 32442:121 3435:351 4486:334 5261:218 5521:89 6697:314 6923:179 7323:306
string 5640:32 5657:148 5784:72 5790:19 6338:62 6353:66 8815:44 8874:108 9004579:431
number 13714:15 5032:79 5411:207 5412:259 5639:382 5784:84
print 4694:112 5166:64 5244:296 5388:683 5640:155 5784:25 6079:56 7469:264 7469:531 9155:4 9676:87
let 11060:338 4144:281 5157:267 5388:172 5521:107 6861:201 9676:229
<p>you 16037:1 18438:1 24285:1 4689:96 4697:1 4904:122 52204:1 5411:1 5507:1 5640:1 5794:1 5912:1 634
post 13714:249 16028:45 18438:18 18440:91 27856:55 4796:39 4798:43 6077:165 6079:38
always 12329:47 27444:96 4144:38 5038:29 5157:192 7836:53 8817:211
help 16028:13 2001437:16 2016636:52 5256:131 5261:309 5412:128 5414:19
is 1102:184 11705:212 11895:182 12246:143 15095:9 16028:98 16036:85 16037:45 18439:38 2013283:35 2181
python 6071:40 6086:88 6354:13 6354:451 6911:103 6923:786 7095:29
```

```
before 11705:116 27912:288 5504:37 5528:239 5639:446 6697:160 8301:377 9805:305
used 3939:90 3945:114 4677:41 5166:311 5252:166 7824:260
<p>i'm 16036:1 31354:1 6350:1 7457:1 7461:1 7547:1 7829:1 7832:1 7836:1
little 2181:189 3435:394 4677:534 5024:125 5265:15 5507:39 5907:214 6514:40
might 11060:477 4782:139 5648:154 6346:8 7095:377 8114:216 8301:127
i've 27912:967 4798:28 6078:48 7457:21 7836:48 9156:140 9488:267
sure 11060:435 16028:234 27912:529 6075:397 7832:48 9805:274
such 16036:231 2016636:45 32442:76 5021:51 5032:86 7469:256 8815:203
second 12246:52 16028:673 27856:131 27912:30 3056:738 5521:50
part 27912:897 5166:244 5639:419 6513:26 8021:222 8817:281
are 6697:35 6861:9 6923:458 6929:40 6932:132 7258:10 7548:31 7824:98 7826:49 8021:13 8301:34 8813:25

============lines that your submission contains, but standard answer does not============
class 3035:649 32403:31 5635:128 5845:89 6324:280 8510:27 9:136
works 4946:83 6343:515 6343:61 6922:209 7450:24 8808:122 9100:52
much 11858:227 2001437:120 2532:153 4377:81 4894:466 5247:317 5635:350 6065:66
put 2013283:107 31261:119 3403:47 52198:15 6324:235 9129:10 9133:39 9531:295
going 1610:62 3388:105 4546:1046 6062:32 6766:324 8781:17 9080:92
string 1099:42 1195:148 13567:60 16025:704 17951:37 3921:275 4546:405 4688:40 4946:34 4970:159 5389:1
hope 1065:214 1335:16 1610:30 4264:6 4970:70 5254:299 5518:394 6324:460 6950:57
few 20328:136 23731:76 3997:208 4353:229 4546:352 5494:341 5845:158
</p> 4546:244 4668:81 4739:63 4797:177 4909:43 4946:149 4946:63 4970:106
don't 5405:6 5494:477 5635:246 5635:8 5650:6 6199:7 6922:192 7085:210 715:15 7225:13 7456:6 7668:29 8
working 3035:723 3645:58 4546:803 4797:11 4797:77 6206:50 7525:35
python 2384:28 2384:33 3076:9 3958:98 4546:672 4661:130 4894:67 4909:71
where 11858:240 2532:205 27832:1264 3403:187 34230:11 3997:513 5518:396 6062:38 75:449 9332:96
little 2168:189 2384:15 3403:394 4546:534 4946:125 5505:39 5845:214 6453:40
might 1065:139 1124:154 4262:8 6922:377 8100:216 8289:127 9531:477
more 15542:349 2001437:125 2014078:266 2168:143 27429:333 3403:169 4264:27 4353:283 461:189 4688:16 4
help 16025:13 2001437:16 2014078:52 2532:131 5254:131 5254:309 5405:128 5413:19
need 11858:256 3730:12 3958:54 4970:51 5389:87 5635:19 56492:188 6199:13 6324:11 6766:756 7081:317 91
url 12930:71 3641:94 4905:36 5150:165 6013:30 9129:32 9535:56
got 11833:50 12930:209 2384:434 29122:205 3921:260 4894:261 4946:12 4970:6 5150:88 715:19 7668:69 785
very 1130:48 15542:484 2532:347 27832:940 3894:14 3905:92 4970:8 5150:418 5494:336 5505:90 6950:37 74
years 3645:88 5307:22 7374:50 8510:14 8510:44 8510:7
always 12318:47 27429:96 3958:211 3997:38 5037:29 5155:192 9:53
won't 12318:132 3403:291 3730:119 4799:48 5889:36 75:434
answer 2532:7 27429:58 3921:237 3934:18 4668:18 5405:102 5770:199 6065:14 6324:153 6324:53 7406:202 9
homework 12493:22 13699:128 15092:54 16025:801 17000:172 18436:27 18436:55 1843:91 25529:8
are 6324:35 6340:9 6343:100 6343:17 6766:458 6844:9 6886:40 6922:132 7406:98 7525:31 7668:21 7668:49
string 5781:72 5783:19 6334:62 6340:66 8767:108 8808:44 9004575:431
<p>you 16025:1 18436:1 24266:1 2606:1 4262:1 4546:96 4894:122 52198:1 5389:1 5505:1 5635:1 5770:1 588
i've 27832:967 3645:48 4797:28 7374:21 9080:140 9343:267 9:48
i 12930:207 13567:4 15492:16 15542:4 1610:24 1610:28 1610:9 2001437:68 2013283:4 2014078:89 211:4
without 3921:60 4546:559 4970:212 5405:74 5505:102 5845:108 6766:655 7858:44 9133:66
de 1843:39 1843:76 1843:96 2500:6 3641:58 3641:77 9531:33
actually 2384:6 27832:100 423:90 4797:213 5247:117 6766:232 7241:14
had 1195:11 27832:573 3645:523 4546:120 4797:29 6324:286 7401:6
answers 12126:19 18436:27 23731:12 3305:23 4377:114 4668:23 4797:201 7085:51 7525:94 75:90
start 11854:75 12195:89 32403:121 3403:351 4353:334 5254:218 5518:89 6324:314 6766:179 7320:306
<p>i'm 15542:1 1982:1 211:1 31261:1 715:1 7374:1 8510:1 9:1 9:1
people 3997:544 4264:32 461:20 5494:345 5845:101 6324:28 9712:142
don't 11833:114 12195:6 16025:24 27196:60 3905:192 3958:48 41829:33 4739:6 4946:32 5155:16
did 12557:16 15492:60 2384:118 27832:93 29122:109 5150:44 5254:177 56492:165 7456:6 9620:16
i 23731:4 2384:4 2384:72 2532:180 25529:59 2606:20 2606:84 27434:8 27832:9 27851:224 29122:13 3075:22
<p>i 1124:1 11677:1 1195:1 11973:1 12195:1 12930:204 13567:1 15492:13 2013283:1 20975:1 2384:1 28523:
<p>from 1099:1 1335:1 1335:1 2027:1 3075:1 3075:1 4909:1
test 1130:122 11677:353 3076:54 4377:10 4661:137 4799:54 5247:19 5889:42 6340:19 9:416
it's 11833:16 3403:15 3921:35 3958:276 3997:69 423:4 4970:154 5247:112 5635:259 6324:12 6922:109 7976
old 1124:333 18436:76 2384:69 2532:109 3645:184 8510:13 8510:18 8510:20
link 12930:41 17951:176 4797:166 4948:18 5037:24 5037:32 8100:61
print 16025:623 164:296 25529:80 27429:123 27441:8 27832:295 27851:243
post 13699:249 16025:45 18436:18 18436:91 27831:55 4786:39 4797:43 6013:165 6013:38
really 1130:134 2001437:73 31261:8 3388:95 3645:262 4946:9 4970:94 5307:257 5770:23 6028:102 7225:6 7
<p>the 1124:1 16025:561 25529:1 27832:229 5155:1 5781:1 6065:1 6324:264 7532:1 8799:1 9834:1
code 4546:794 4909:13 52198:24 5247:78 5254:63 5307:297 5635:150 6334:78 7456:198 7456:48
been 12493:48 18436:137 20328:122 2606:553 27832:262 3645:53 3921:238 4377:45 4546:124 5635:22 5845:1
i 3645:48 3730:104 3921:112 3921:54 3997:325 4264:4 4353:4 4546:4 4546:83 4558:47 4739:4 4797:4 4894:
still 1195:191 15492:179 20975:51 2384:727 27831:18 4353:223 4894:644 6334:90 7858:6 8808:183 9004575
last 24266:174 2606:597 3921:98 4546:28 5254:23 5505:156 7374:47 7406:40 9531:11
was 11858:213 1195:187 12126:85 12195:33 12930:131 13567:6 13699:217 15159:6 16025:148 1610:124 1610:
programming 3645:99 3905:146 5254:277 5845:116 6065:174 6766:107 8510:24 8767:269 8808:67 8808:81
<p>if 11677:623 18436:1 23731:1 3958:1 4661:1 5247:1 56492:155 8100:141
can't 16025:7 18436:85 4970:85 5150:332 5635:341 6844:109 7374:153 7858:12
page 20975:32 5037:17 5037:39 5150:112 7401:80 7463:33 8100:184
has 11412:17 17951:170 2001437:116 27832:1087 4377:41 4519:105 4661:167 4894:45 5247:127 5494:25 5635
videos 23731:36 4668:25 4739:318 5155:275 5389:294 6062:76
should 11677:16 12212:186 17951:49 18436:8 27441:26 423:58 4264:162 4353:327 4911:59 52198:8 5254:144
many 16025:863 20975:37 2532:318 4894:592 5307:149 5635:36 6028:85 6324:371 8289:290 9712:137
is 4682:6 4739:49 4894:42 4894:6 4909:47 4946:15 4970:497 5150:241 5155:155 5247:12 5389:22 5494:22 5
before 11677:116 27832:288 5494:37 5518:239 5635:446 6324:160 8289:377 9796:305
doing 3403:266 3645:195 4353:340 4661:151 4894:419 5155:171 5635:284 6844:88 7374:71 7401:163 9531:9
were 4970:77 5254:90 5787:10 7374:75 7406:57 75:259 75:49 8808:15
keep 27832:1012 3905:46 4797:141 5845:25 715:40 7976:51 9142:9
```

```
|are 1124:76 1130:10 11854:217 11973:16 16025:521 1610:78 18436:12 18436:129 18436:46 2384:655 24266:8
|try 2013283:64 3921:162 4353:477 4688:64 4786:44 56492:136 5773:155 5845:286 6080:170 7668:105 9796:3
|read 1335:29 16025:446 3075:24 3645:530 3921:153 3958:89 6065:100 7525:6 7668:139 9142:57 9790:88
|<br> 3641:388 4909:108 4948:47 4970:201 9004575:55 997:12 9:73
|homework 4377:32 4519:276 4546:74 4668:14 5155:13 7374:56 7406:13
|same 1195:19 2384:694 2606:635 27429:266 27832:214 3076:193 5155:81 56492:173 5770:265 6013:58
|find 12195:20 12930:21 15542:333 16025:664 27832:1042 4797:101 4894:133 4970:56 6013:43
|pretty 12493:53 4894:822 5150:137 5247:126 6806:254 7374:8 9531:428
|i'm 12296:39 27832:525 31261:4 4894:818 4970:9 5155:107 6028:271 6080:131
|lot 15542:66 2532:252 3997:593 4264:23 4353:483 5494:449 7081:292 715:63
|rather 15542:397 2606:96 27832:1227 423:160 4546:718 5254:140 6028:325 9080:104 9535:156
|same 7085:193 7401:15 7456:14 8373:19 8502:9 9080:18 9834:8
|is 1065:74 1099:184 1124:25 1130:43 11677:212 11854:182 12195:143 15092:9 15542:85 16025:45 16025:98
|possible 11677:320 18436:45 5505:56 5505:93 5635:157 6334:53 7406:169 8289:295 9660:21
|may 11858:95 13699:245 16025:481 3905:9 4661:31 4797:87 5494:375 5635:53 7525:62 9796:630
|let 3997:281 4970:172 5155:267 5518:107 6844:201 7668:229 9531:338
|print 4546:440 4688:112 4970:683 5150:64 5635:155 5781:25 6013:56 7456:264 7668:87 9133:4 9531:225 95
|course 4786:27 5016:25 5307:42 5787:109 6028:21 6062:69 6065:136 6922:61
|such 15542:231 2014078:45 3076:86 32403:76 5016:51 7456:256 8808:203
|unit 3403:239 3921:46 4970:138 5389:64 7241:51 7320:233 7374:168 75:237 8799:18 9660:33
|why 11833:125 16025:883 2168:67 2384:593 5150:328 5494:382 8510:15 9129:150 9309:132
|using 1124:80 12296:43 24266:12 2606:558 3921:25 3958:11 4377:212 4546:337 4948:37 4970:113 4970:541
|am 5254:12 6028:59 6343:6 6844:48 6922:100 7320:213 7406:367 8510:6 8510:6 9004575:136 9531:6
|didn't 2532:404 27832:93 3075:41 32403:197 3921:110 4797:56 4905:59 5505:25 75:6 9535:84
|learn 15542:127 2384:15 3958:183 5307:207 6080:156 8808:32 9343:62
|python 6065:40 6080:88 6343:13 6766:786 6806:103 6922:29 7406:283 7456:121 9100:17
|already 18436:142 20328:109 27832:605 4546:365 4909:11 5155:229 5635:111 8799:29
|something 5254:40 5650:78 5773:123 6766:73 6844:144 7976:143 9531:486
|tried 2014078:168 20975:11 5505:32 5845:170 6950:6 9790:23 9996:13
+-----------------------------------------------------------------
```

Failed Test Case #1

Fail to execute test oracle script:
```python
# Python script snippet to implement test oracles on output files
# Two input variables: standard_output, submission_output, task_points
# Two output variables: compare_info, grade

compare_info=""
set1=set()
for line in standard_output.splitlines():
    set1.add(" ".join(line.split()))

set2=set()
for line in submission_output.splitlines():
    set2.add(" ".join(line.split()))

if set1==set2:
    grade = task_points
    compare_info=""
else:
    grade = 0
    compare_info="Your result is different from the standard answer:\n\n"
    compare_info+="\n============lines that the standard answer contains, but your submission does not====
    if len(set1.difference(set2))!=0:
        for line in set1.difference(set2):
            compare_info+=str(line)+"\n"
    if len(set2.difference(set1))!=0:
        compare_info+="\n============lines that your submission contains, but standard answer does not====
        for line in set2.difference(set1):
            compare_info+=str(line)+"\n"
```

Exception:
can only concatenate list (not "str") to list

Failed Test Case #2

```
 [Compare Info]
+-----------------------------------------------------------------
|Your result is different from the standard answer:
|
|
|============lines that the standard answer contains, but your submission does not=============
|hope 2:53 6012771:281
|videos. 6012771:273
|the 6012771:4
|soon 66199:23
|rot+ro[i] 6011204:944 6011209:101
|text}) 6011204:1314
```

```
|up.</p> 6012771:408
|templates. 6011938:35
|true) 6011204:635
|were 6012754:82 6012771:126
|still 66196:85
|<a 66195:15 66196:104
|width: 6011204:421
|sebastian 6015491:28 6015497:176
|are 6011208:96 6012754:200 6012771:404
|<p>i 111:1 15084:121 6011209:1 6012754:1
|string 6011204:2630 6011208:65
|today, 66196:66
|is 3778:34 6011208:144 6011209:6 6011936:175 6011938:25 6012754:30 6012771:288 6015497:61 66193:10
|there.</p> 6011208:151
|there!</p> 7185:7
|this, 6015564:12
|x:</p> 6015491:87
|videos 6012771:17
|week 6012771:103
|strings. 6011938:113
|you 6011208:92
|they 6011938:46
|week's 6012771:103
|wait 6015497:276
|index 6011204:1064 6011208:72
|yet, 66199:8
|<p>please 26454:1 6011204:1 6011204:2670
|norm 6011204:845 6011209:70
|write_form(self, 6011204:1239
|has 15084:83 6012754:167 6015497:186
|stuff</p> 6015564:57
|until 6015497:281
|utc, 6012771:52
|range(0, 6011204:881 6011209:46
|text=''): 6011204:1256
|</code></pre> 6011204:1657 6011208:33 6011209:111
|thanks. 6015564:18
|we 7185:54
|can't 6011936:147 6015497:270
|google 6011936:298 6015491:80 6015497:194
|submitting 6012771:367
|access 6011208:110 66196:91
|done 6011936:181 6015564:39
|speaking 6015497:236
|style=""height: 6011204:398
|nor[i] 6011204:923 6011209:84
|supposed 66196:20
|substitute 6011938:102
|file 6011204:1750 6011936:242 6011938:80
|</p> 15084:13 262:47 6011204:65 6011938:122 6015497:223 66193:57 66196:307
|webapp2.wsgiapplication([('/', 6011204:1571
|homework 6012754:55 6012771:163
|thing?</p> 3848:155
|rot 6011204:212 6011204:22 6011204:646 6011209:95
|course 15084:108 26454:26
|that! 6015497:308
|very 6015497:213
|was 6012771:179
|type=""submit""&gt; 6011204:499
|trying 6011208:100
|len(nor)): 6011204:890 6011209:55
|wanted 6012771:211
|<p><a 6015491:94 6015497:1
|
|===========lines that your submission contains, but standard answer does not===========
|supposed 66193:20
|substitute 6011936:102
|rot.</p> 6011204:214
|this, 6015491:12
|up.</p> 6012754:408
|there.</p> 6011204:151
|yet, 66193:8
|norm 6011204:70 6011204:845
|soon 66193:23
|file 6011204:1750 6011936:242 6011936:80
|rot+ro[i] 6011204:101 6011204:944
|rose 6015491:12
|can't 6011936:147 6015491:270
|rot 6011204:22 6011204:95
|was 6012754:179
|homework 6012754:163 6012754:55
|s[4] 6011204:28
|very 6015491:213
|search 2:128
```

```
|week's 6012754:103
|wait 6015491:276
|is 3778:34 6011204:144 6011204:6 6011936:175 6011936:25 6012754:288 6012754:30 6015491:61 66193:10
|</code></pre> 6011204:111 6011204:1657 6011204:33
|are 6011204:96 6012754:200 6012754:404
|hope 2:53 6012754:281
|</p> 15084:13 262:47 6011204:65 6011936:122 6015491:223
|stuff</p> 6015491:57
|index 6011204:1064 6011204:72
|course 15084:108 26454:26 6012754:110
|sebastian 6015491:176 6015491:28
|google 6011936:298 6015491:194 6015491:80
|sake 6011936:194
|today, 66193:66
|simplicity 6011936:202
|rot13 6011204:646
|done 6011936:181 6015491:39
|+ 6011204:82 6011204:921
|<p>i 111:1 15084:121 6011204:1 6012754:1
|nor[i] 6011204:84 6011204:923
|seems 3778:126
|trying 6011204:100
|rv 6011204:1817
|utc, 6012754:52
|thing?</p> 3778:155
|videos 6012754:17
|were 6012754:126 6012754:82
|week 6012754:103
|access 6011204:110 66193:91
|submitting 6012754:367
|solution 6012754:8
|templates. 6011936:35
|i 6011204:4 6011936:145 6012754:4 6015491:170
|i 15084:124 2:51 6011204:19
|thanks. 6015491:18
|single 6011936:68
|has 15084:83 6012754:167 6015491:186
|sdk 6015491:289
|string 6011204:2630 6011204:65
|since 6011936:89
|</p> 66193:307 66193:57
|strings. 6011936:113
|science 2:101
|until 6015491:281
|videos. 6012754:273
|sebastian's 6015491:27
|<p>please 26454:1 6011204:1
|still 66193:85
|wanted 6012754:211
|speaking 6015491:236
+----------------------------------------------------------------


 [Test Input]
+----------------------------------------------------------------
|111        Why can't I watch video udacity?        video cs101 meta bug issues nationalities        1(
|2  Welcome to the Udacity CS101 Forum!        cs101 welcome    100000005        <p>Welcome to the Udacity
|3848              cs101 number strings homework    100000066        <p>Why we count ''0'' for <strong>
|66193      Have the courses cs212,  cs253,  and cs262 started yet? cs101 cs212 cs262 cs253 discussion
|66199              cs101    100004467        <p>Not yet, hopefully soon ...</p>        answer    66193    66
|66196              cs101    100071170        "<p>Officially not, supposed to be it will be opened at GM
|66195              cs101    100002460        "<p>kinda, see <a href="""""http://www.udacity-forums.com/c
|6012754    Official Deadlines Homeworks    cs253 hw2-1 homework deadlines  100004819        "<p>I woul
|<p>I thought were every tuesday as CS101 course, and today I realize that solutions of homework 2 has
|<p>I am aware about the deadlines are not so strict as last course CS101, but I would like to deliver
|<p>Thanks in advance!</p>" question        \N        \N        2012-05-01 04:44:44.410042+00    1        (w
|6011209              cs253    100010128        "<p>i is out of range</p>
|<pre><code>for i in range(0, len(nor)):
|    norm = norm + nor[i]
|    rot = rot+ro[i]
|</code></pre>
|<p>for example, nor=""123"",len=3, than range is 0,1,2,3, but you have only 3 letters in rot.</p>" an
|6011208              cs253    100071170        "<pre><code>s=""abc""
|print s[4]
|</code></pre>
|<p>Will also give string index out of range. You are trying to access an index of a string which is n
|6012771              cs253    100012200        "<p>The solution videos will be posted Monday 23:59 UTC, s
|And again, just to reiterate, there is absolutely no penalty for submitting after the solution videos
|6011204    rot 13 error    cs253 discussion homework        100020526        "<p>Please help me in ROT
|<pre><code>import webapp2
|import cgi
|import logging
|
|form = """"""
```

```
<!DOCTYPE html>

<html>
  <head>
    <title>Unit 2 Rot 13</title>
  </head>

  <body>
    <h2>Enter some text to ROT13:</h2>
    <form method="post">
      <textarea name="text"
                style="height: 100px; width: 400px;">%(text)s</textarea>
      <br>
      <input type="submit">
    </form>
  </body>

</html>
"""""
def escape_html(input):
    return cgi.escape(input,quote = True)

def rot13(input):
    logging.info("rot13")
    logging.info(input)
    nor = 'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ'
    ro = 'nopqrstuvwxyzabcdefghijklmNOPQRSTUVWXYZABCDEFGHIJKLM'
    norm = ''
    rot = ''
    for i in range(0, len(nor)):
        norm = norm + nor[i]
        rot = rot+ro[i]
    code = ''
    for i in range(0,len(input)):
      if input[i] in norm:
            code = code + rot[norm.index(input[i])]
      else:
          code = code + input[i]
    logging.info("code")
    logging.info(code)
    return code

class MainPage(webapp2.RequestHandler):
    def write_form(self, text=''):
        self.response.out.write(form%{"text": text})
    def get(self):
        #self.response.headers['Content-Type'] = 'text/html'
        self.write_form()
    def post(self):
        text = escape_html(rot13(self.request.get('text')))
        logging.info(text)
        self.write_form(text)

app = webapp2.WSGIApplication([('/', MainPage),],
                                debug=True)
</code></pre>
<p>and the following error</p>
<pre><code>Traceback (most recent call last):
  File ""E:\GAE\lib\webapp2\webapp2.py"", line 1536, in __call__
    rv = self.handle_exception(request, response, e)
  File ""E:\GAE\lib\webapp2\webapp2.py"", line 1530, in __call__
    rv = self.router.dispatch(request, response)
  File ""E:\GAE\lib\webapp2\webapp2.py"", line 1278, in default_dispatcher
    return route.handler_adapter(request, response)
  File ""E:\GAE\lib\webapp2\webapp2.py"", line 1102, in __call__
    return handler.dispatch()
  File ""E:\GAE\lib\webapp2\webapp2.py"", line 572, in dispatch
    return self.handle_exception(e, self.app.debug)
  File ""E:\GAE\lib\webapp2\webapp2.py"", line 570, in dispatch
    return method(*args, **kwargs)
  File ""E:\haughty299\haughty299\main.py"", line 73, in post
    text = escape_html(rot13(self.request.get('text')))
  File ""E:\haughty299\haughty299\main.py"", line 53, in rot13
    rot = rot+ro[i]
IndexError: string index out of range
</code></pre>
<p>please help</p>"         question          \N          \N          2012-04-29 14:41:03.31365+00          0
7185          Hungarian group cs101 hungarian nationalities welcome          100003268          "<p>Hi there!</p>
<p>Any Hungarians doing the course? We could form a group!<br>
;)</p>"          question          \N          \N          2012-02-27 15:09:11.184434+00          0          \N          10
26454          Course Application.          cs101 application discussion jobs          100003192          <p>Please
3778          What profile information is public?          cs101 profile issues          100008254          <p>Is ther
262          Course content Opera browser error          cs101 browsers issues          100004819          <p>It wont
15084          Digital Board used          cs101 board digital lessons jobs          100004819          "<p>Hi Guy
```

```
             |<p>Does anyone know the model of the Digital Board the professor has been used during the course ?</p
             |<p>I am also a online professor in Brazil and I am interested on that type of gadget.</p>
             |<p>Thanks, <br>
             |Augusto</p>"         question      \N      \N       2012-03-02 04:35:40.964189+00    0              \N
             |6011936     Is there an alternative to typing our HTML into long strings?   cs253 google-appengine dis
             |6011938          cs253   100071170       <p>Well no. Alternative is to use templates. They provide
             |6011939          cs253   100019875       "<p>Related:</p>
             |<ul>
             |<li><a href=""http://forums.udacity.com/cs253-april2012/questions/7883/question-to-the-teachers-will-
             |<li><a href=""http://forums.udacity.com/cs253-april2012/questions/9973/how-to-use-the-jinja2-template
             |<li><a href=""https://developers.google.com/appengine/docs/python/gettingstarted/templates"" rel=""no
             |</ul>"      answer   6011936 6011936 2012-04-30 05:20:50.05843+00     1       (accepted)      \N       10
             |6015497     cs253   100071170       <p><a href=""http://forums.udacity.com/users/100005156/se
             |<p>BTW, speaking of the Google Glasses, I can't wait until a SDK is offered for that! </p>"          ar
             |6015491     Charlie Rose interviews Sebastian Thrun, Founder of Udacity    cs253 udacity-future discu
             |<p><a href=""http://bit.ly/JPjsJv"" rel=""nofollow"">http://bit.ly/JPjsJv</a></p>" question          \N
             |6015564          cs253   100004467       <p>watched this, Thanks.  Sebastian's done some amazing st
             +--------------------------------------------------------------------



===============================[Phase4: cloudera_hadoop_py_streaming_cluster]============================
Hadoop failure

Timeout (exceeds hard time limit 160 seconds)
Current step: 1
Hadoop command: hadoop jar /opt/cloudera/parcels/CDH/lib/hadoop-mapreduce/hadoop-streaming.jar -input smar
Detailed hadoop log:
Step 1: hadoop jar /opt/cloudera/parcels/CDH/lib/hadoop-mapreduce/hadoop-streaming.jar -input smart_progra
15/06/01 21:55:13 WARN streaming.StreamJob: -file option is deprecated, please use generic option -files i
15/06/01 21:55:14 INFO client.RMProxy: Connecting to ResourceManager at eden/172.16.21.236:8032
15/06/01 21:55:14 INFO client.RMProxy: Connecting to ResourceManager at eden/172.16.21.236:8032
15/06/01 21:55:15 INFO mapred.FileInputFormat: Total input paths to process : 1
15/06/01 21:55:15 INFO mapreduce.JobSubmitter: number of splits:2
15/06/01 21:55:15 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1433116351930_0660
15/06/01 21:55:15 INFO impl.YarnClientImpl: Submitted application application_1433116351930_0660
15/06/01 21:55:16 INFO mapreduce.Job: The url to track the job: http://eden:8088/proxy/application_1433116
15/06/01 21:55:16 INFO mapreduce.Job: Running job: job_1433116351930_0660
```

Your submission record:

Submission Date	Grade	Diff
2015-06-01 17:29	10	Diff
2015-06-01 15:51	10	Diff
2015-06-01 13:43	10	Diff
2015-06-01 13:37	0	Diff
2015-05-30 18:56	10	Diff
2015-05-30 11:30	10	Diff
2015-05-29 12:14	10	Diff
2015-05-29 11:41	0	Diff

Top performers in the class:

Name	Points	Total Trials	Last Submission
彭翌	100	7	2015-06-01 11:14
把我飘准的普通发凡我	100	3	2015-06-01 14:04
吴炼城	30	4	2015-05-30 19:08
陈家炜	30	3	2015-06-01 14:50
test	30	31	2015-06-01 14:57
123123	30	5	2015-06-01 15:55
马亚光	10	1	2015-05-26 18:59
so hard	10	1	2015-05-28 10:52
黎展强	10	1	2015-05-29 11:20
乙同学	10	1	2015-05-30 14:18

Feedback: (这里不是填答案的地方！)

Warning: Don't put your answer into the feedback, as they will be seen by all other students. If you have doubts on your answer, send an email to the author of this assignment instead.

为减轻服务器负担，在评论中插入大图像时建议用链接，小图像的时候建议用base64编码直接嵌入，即打开html编辑页面插入像<img src="data:image/png;base64,iVBORw0KGgoAAAANSclgAAAAEAAA">一样的标签 ([图片转base64编码的工具](#))。注意，评论的大小不能超过100k字节，如果超出就会显示Invalid form data。

难度(选填): `--------------------------------`

题意表达是否清楚(选填): `--------------------------------`

对学习的帮助(选填): `--------------------------------`

你对本题的评价(选填):

[Font Family]	[Font Size]	[Paragraph]

Path: p

[Upload]

Feedbacks from students:

Class	Comments
BDSE_2015	分词嘅正则喺咩乜啊
BDSE_2015	老师设置的难度有点大啊。。

Recent messages:

- [06/01 14:50] From 王欣明: 最近一段时间经常发生有些同学的作业卡队列的现象。如果发现请及时通知我重启服务队列。
- [06/01 14:49] From 王欣明: 本周是大数据软件工程的期末课程项目，题目会在周二晚上6点开放，同学们可以自己在宿舍做，一周时间内完成。
- [05/31 00:38] From 谢议尊: test

Send message to an user with real name or nick name:

Name:

Message:

Send Message

Message:

Send Message