ML_8_nltk

March 26, 2019

In [1]: """In this assignment students have to find the frequency of words in a webpage. User use urllib and BeautifulSoup to extract text from webpage.

```
Hint:
from bs4 import BeautifulSoup
import urllib.request
import nltk
response = urllib.request.urlopen('http://php.net/')
html = response.read()
soup = BeautifulSoup(html, "html5lib")"""
# Importing and reading the text from the webpage
import numpy as np
import pandas as pd
from bs4 import BeautifulSoup
import urllib.request
import nltk
response = urllib.request.urlopen('http://php.net/')
html = response.read()
soup = BeautifulSoup(html, "html5lib")
text = soup.get_text(strip=True)
print (text)
```

PHP: Hypertext PreprocessorDownloadsDocumentationGet InvolvedHelpGetting StartedIntroductionA = 7.1.27. This is a security release which also contains several bug fixes.All PHP 7.1 use Windows source and binaries can be found onwindows.php.net/download/.

The list of changes is recorded in the Change Log. 07 Mar 2019 PHP 7.2.16 Released The PHP d. 7.2.16. This is a security release which also contains several minor bug fixes. All PHP 7.3 Windows source and binaries can be found onwindows.php.net/download/.

The list of changes is recorded in the Change Log. 07 Mar 2019 PHP 7.3.3 Released The PHP dever 7.3.3. This is a security release which also contains several bug fixes. All PHP 7.3 users Windows source and binaries can be found onwindows.php.net/download/.

The list of changes is recorded in the Change Log. 07 Feb 2019 PHP 7.2.15 Released The PHP der This is a bugfix release. All PHP 7.2 users are encouraged to upgrade to this version. For Windows source and binaries can be found onwindows.php.net/download/.

The list of changes is recorded in the Change Log. 07 Feb 2019 PHP 7.3.2 Release Announcement 7.3.2. This is a bugfix release, with several bug fixes included. All PHP 7.3 users are en Windows source and binaries can be found onwindows.php.net/download/.

The list of changes is recorded in the Change Log. 10 Jan 2019 PHP 5.6.40 Released The PHP de 5.6.40. This is a security release. Several security bugs have been fixed in this release.

All PHP 5.6 users are encouraged to upgrade to this version. For source downloads of PHP 5 Windows source and binaries can be found onwindows.php.net/download/.

The list of changes is recorded in the Change Log. Please note that according to the PHP vers support timelines,

PHP 5.6.40 is the last scheduled release of PHP 5.6 branch. There may be additional rediscover

important security issues that warrant it, otherwise this release will be the final on 5.6 branch.

If your PHP installation is based on PHP 5.6, it may be a good time to start making the the upgrade

to PHP 7.1, PHP 7.2 or PHP 7.3.22 Nov 2018PHP 7.3.0RC6 ReleasedThe PHP team is glad to The rough outline of the PHP 7.3 release cycle is specified in the PHP Wiki. For source Windows sources and binaries can be found onwindows.php.net/qa/.Please carefully test or the UPGRADING file for a complete list of upgrading notes. Internal changes are listed These files can also be found in the release archive. The next release would be 7.3.0 (The rough outline of the PHP 7.3 release cycle is specified in the PHP Wiki. For source Windows sources and binaries can be found onwindows.php.net/qa/.Please carefully test or the UPGRADING file for a complete list of upgrading notes. Internal changes are listed These files can also be found in the release archive. The next release would be RC6, place archive. The rough outline of the PHP 7.3 release cycle is specified in the PHP Wiki. For source Windows sources and binaries can be found onwindows.php.net/qa/.Please carefully test or the UPGRADING file for a complete list of upgrading notes. Internal changes are listed These files can also be found in the release archive. The next release would be RC5, plants The rough outline of the PHP 7.3 release cycle is specified in the PHP Wiki. For source Windows sources and binaries can be found onwindows.php.net/qa/.Please carefully test or the UPGRADING file for a complete list of upgrading notes. Internal changes are listed These files can also be found in the release archive. The next release would be RC4, plant and the release would be RC4, plant and the release archive. The rough outline of the PHP 7.3 release cycle is specified in the PHP Wiki. For source Windows sources and binaries can be found onwindows.php.net/qa/.Please carefully test or the UPGRADING file for a complete list of upgrading notes. Internal changes are listed These files can also be found in the release archive. The next release would be RC3, plant and the release would be RC3, plant and the release archive. The rough outline of the PHP 7.3 release cycle is specified in the PHP Wiki. For source Windows sources and binaries can be found onwindows.php.net/qa/.Please carefully test or the UPGRADING file for a complete list of upgrading notes. Internal changes are lister These files can also be found in the release archive. The next release would be RC2, plant and the release would be RC2, plant and the release archive. The rough outline of the PHP 7.3 release cycle is specified in the PHP Wiki. For source Windows sources and binaries can be found onwindows.php.net/qa/.Please carefully test or the UPGRADING file for a complete list of upgrading notes. Internal changes are listed These files can also be found in the release archive. The next release would be RC1, plants The rough outline of the PHP 7.3 release cycle is specified in the PHP Wiki. For source

Windows sources and binaries can be found onwindows.php.net/qa/.Please carefully test

or theUPGRADINGfile for a complete list of upgrading notes. Internal changes are listed These files can also be found in the release archive. The next release would be Beta 3, The rough outline of the PHP 7.3 release cycle is specified in the PHP Wiki. For source of Windows sources and binaries can be found onwindows. php.net/qa/. Please carefully test for the UPGRADINGfile for a complete list of upgrading notes. These files can also be for The rough outline of the PHP 7.3 release cycle is specified in the PHP Wiki. For source of Windows sources and binaries can be found onwindows. php.net/qa/. Please carefully test for the UPGRADINGfile for a complete list of upgrading notes. These files can also be for The rough outline of the PHP 7.3 release cycle is specified in the PHP Wiki. For source downwindows sources and binaries can be found onwindows. php.net/qa/. Please carefully test the Windows sources and binaries can be found onwindows. php.net/qa/. Please carefully test the windows sources and binaries can be found onwindows. php.net/qa/. Please carefully test the windows sources and binaries can be found onwindows. php.net/qa/. Please carefully test the windows.

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or the UPGRADING file for a complete list of upgrading notes. These files can also 7.2.2. This is a bugfix release, with several bug fixes included. All PHP 7.2 users are extended bug source and binaries can be found onwindows.php.net/download/.

The list of changes is recorded in the Change Log. 12 Oct 2017 PHP 7.2.0 Release Candidate 4 This release is the fourth Release Candidate for 7.2.0.

All users of PHP are encouraged to test this version carefully, and report any bugs and incompatibilities in thebug tracking system. THIS IS A DEVELOPMENT PREVIEW - DO NOT US or the UPGRADING file for a complete list of upgrading notes. These files can also be found Windows sources and binaries can be found atwindows.php.net/qa/. The next Release Candidate You can also read the full list of planned releases on our wiki. Thank you for helping us many this release is the third Release Candidate for 7.2.0.

All users of PHP are encouraged to test this version carefully, and report any bugs and incompatibilities in thebug tracking system. THIS IS A DEVELOPMENT PREVIEW - DO NOT US or the UPGRADING file for a complete list of upgrading notes. These files can also be found Windows sources and binaries can be found atwindows.php.net/qa/. The next Release Candidate You can also read the full list of planned releases onour wiki. Thank you for helping us made Candidate 1. This release is the first Release Candidate for 7.2.0.

All users of PHP are encouraged to test this version carefully, and report any bugs and incompatibilities in thebug tracking system. THIS IS A DEVELOPMENT PREVIEW - DO NOT US or the UPGRADING file for a complete list of upgrading notes. These files can also be found Windows sources and binaries can be found atwindows.php.net/qa/. The second Release Candid You can also read the full list of planned releases on our wiki. Thank you for helping us to test this version carefully, and report any bugs and incompatibilities in the bug track or the UPGRADING file for a complete list of upgrading notes. These files can also be found Windows sources and binaries can be found atwindows.php.net/qa/. The first Release Candida You can also read the full list of planned releases on our wiki. Thank you for helping us to the content of the planned releases on our wiki. Thank you for helping us to the planned releases on our wiki.

This release contains fixes and improvements relative to Alpha 2. All users of PHP are encouraged to test this version carefully,

and report any bugs and incompatibilities in the bug tracking system. THIS IS A DEVELOPMENT or the $\ensuremath{\mathsf{UPGRADINGfile}}$

for a complete list of upgrading notes. These files can also be found in the release arch Windows sources and binaries can be found onwindows.php.net/qa/.The first beta will be re-

```
In [2]: # Tokenization
        tokens = [t for t in text.split()]
        print (tokens)
['PHP:', 'Hypertext', 'PreprocessorDownloadsDocumentationGet', 'InvolvedHelpGetting', 'Started
In [3]: # Distribution of frequency from nltk.FreqDist()
        freq = nltk.FreqDist(tokens)
        for key,val in freq.items():
            print (str(key) + ':' + str(val))
PHP::1
Hypertext:1
PreprocessorDownloadsDocumentationGet:1
InvolvedHelpGetting:1
StartedIntroductionA:1
simple:1
tutorialLanguage:1
ReferenceBasic:1
{\tt syntaxTypesVariablesConstantsExpressionsOperatorsControl:1}
StructuresFunctionsClasses:1
{\tt ObjectsNamespacesErrorsExceptionsGeneratorsReferences:1}
ExplainedPredefined:1
VariablesPredefined:1
ExceptionsPredefined:1
Interfaces: 1
ClassesContext:1
options:1
parametersSupported:1
Protocols:1
WrappersSecurityIntroductionGeneral:1
considerationsInstalled:1
as:2
CGI:1
binaryInstalled:1
an:2
Apache:1
moduleSession:1
SecurityFilesystem:1
SecurityDatabase:1
SecurityError:1
ReportingUsing:1
Register:1
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GlobalsUser:1
Submitted:1
DataMagic:1
QuotesHiding:1
PHPKeeping:1

CurrentFeaturesHTTP:1

authentication:1

with:4

PHPCookiesSessionsDealing:1

XFormsHandling:1

file:1

uploadsUsing:1

remote:1

filesConnection:1
handlingPersistent:1

Database:1

ConnectionsSafe:1
ModeCommand:1

line:1

usageGarbage:1
CollectionDTrace:1

Dynamic:1

TracingFunction:1
ReferenceAffecting:1

PHP's:1

BehaviourAudio:1

Formats:1

ManipulationAuthentication:1

ServicesCommand:1

Line:1 Specific:2

ExtensionsCompression:1

Archive:1

ExtensionsCredit:1

Card:1

ProcessingCryptography:1 ExtensionsDatabase:1

ExtensionsDate:1

Time:1
Related:4

ExtensionsFile:1

System:1

ExtensionsHuman:1

Language:1 Character:1 Encoding:1 SupportImage:1 Processing:1 GenerationMail:1 ExtensionsMathematical:1 ExtensionsNon-Text:1 MIME:1 OutputProcess:1 Control:1 ExtensionsOther:2 Basic:1 ServicesSearch:1 Engine:1 ExtensionsServer:1 ExtensionsSession:1 ExtensionsText:1 ProcessingVariable:1 Type:1 ExtensionsWeb:1 ServicesWindows:1 Only:1 ExtensionsXML:1 ManipulationGUI:1 ExtensionsKeyboard:1 Shortcuts?This:1 helpjNext:1 menu:2 itemkPrevious:1 itemg:1 pPrevious:1 man:2 pageg:1 nNext:1 pageGScroll:1 to:40 bottomg:1 gScroll:1 topg:1 hGoto:1 homepageg:1 sGoto:1 search(current:1 page)/Focus:1 search:1 boxPHP:1 is:49 a:27 popular:2 general-purpose:1 scripting:1 language:1

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your:2
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the:116
most:1
websites:1
in:68
world.Download7.1.27uRelease:1
NotesuUpgrading7.2.16uRelease:1
NotesuUpgrading7.3.3uRelease:1
NotesuUpgrading07:1
Mar:3
2019PHP:7
7.1.27:2
ReleasedThe:23
development:12
team:25
announces:12
immediate:12
availability:12
of:99
7.1.27.:1
This:13
security:6
release:76
which:4
also:26
contains:4
several:5
bug:5
fixes.All:3
7.1:1
users:12
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source:32
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ourdownloads:7
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Windows:24
binaries:24
can:78
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onwindows.php.net/download/.:7
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7.2.16.:1
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7.2:4
7.3.3:2
7.3.3.:1
7.3:15
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7.2.15:2
7.2.15.:1
bugfix:3
release.All:1
7.3.2:2
Release:15
AnnouncementThe: 1
7.3.2.:1
release,:2
fixes:3
included.All:2
theChangeLog.10:1
Jan:1
5.6.40:3
5.6.40.:1
release.:2
Several:1
bugs:6
have:1
been:1
fixed:1
All:6
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5.6:3

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theChangeLog.Please:1
note:1
according:1
thePHP:14
version:20
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last:2
scheduled:1
branch.:2
There:1
may:2
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we:1
discover:1
important:1
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warrant:1
it,:1
otherwise:1
will:6
final:2
one:1
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7.3.22:1
Nov:2
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Wiki.For:13
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page.:12
sources:17
onwindows.php.net/qa/.Please:12
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test:19
report:18
any:18
thebug:18
reporting:13
system.THIS:17
IS:17
A:17
DEVELOPMENT:17
PREVIEW:17
-:17
DO:18
NOT:18
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IT:17
IN:17
PRODUCTION!For:17
more:17
information:18
new:18
features:18
other:18
changes,:18
you:36
read:23
theNEWSfile,:18
theUPGRADINGfile:18
complete:18
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Internal:8
listed:8
theUPGRADING.INTERNALSfile.:8
These:18
files:18
archive.The:13
next:20
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(GA),:1

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December:1

6th.The:1

signatures:13

inthe:13

manifestor:13

onthe:13

QA:13

site.Thank:13

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us:18

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better.08:1

7.3.0RC5:2

7.3.0RC5.:1

RC6,:1

November:2

22nd.The:1

better.25:1

Oct:3

7.3.0RC4:2

7.3.0RC4.:1

RC5,:1

8th.The:1

better.11:1

7.3.0RC3:2

7.3.0RC3.:1

RC4,:1

October:2

25th.The:1

better.28:2

Sep:3

7.3.ORC2:2

7.3.0RC2.:1

RC3,:1

11th.The:1

better.13:1

7.3.0RC1:2

7.3.ORC1.:1

RC2,:1

September:2

27th.The:1

better.30:1

Aug:5

7.3.0.beta3:1

seventh:1

version,:7

7.3.0beta3.:1 7.3.0beta3:1 RC1,:1 13th.The:1 better.16:1 7.3.0.beta2:1 sixth:1 7.3.0beta2.:1 7.3.0beta2:1 Beta:7 3,:2 August:3 30th.The:1 better.02:1 7.3.0.beta1:1 fifth:1 7.3.0beta1.:1 7.3.0beta1:1 2,:2 16th.The:1 better.19:1 Jul:3 7.3.0alpha4:2 fourth:2 7.3.0alpha4.:1 1,:2 2nd.The:1 better.05:1 alpha:3 3:8 third:3 Alpha:12 3.:3 July:2 19th.The:1 better.21:1 Jun:2 2:2 second:2 2.:2 5.The:1 better.07:1 1:4 ReleasedPHP:1 first:4 1.:2 starts:1

cycle,:1

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page.Please:1
system.Please:1
use:1
production,:1
early:1
June:1
21.The:1
better.01:1
7.2.2:2
7.2.2.:1
theChangeLog.12:1
2017PHP:5
7.2.0:15
Candidate:14
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RC4.:1
7.2.0.:4
carefully,:5
incompatibilities:5
tracking:5
archive.For:5
thedownloadpage,:5
atwindows.php.net/qa/.The:4
announced:2
26th:1
October.:2
You:5
full:5
releases:5
onour:4
wiki.Thank:4
RC3.:1
12th:1
better.31:1
released:3
14th:1
September.:1
better.17:1
beta:2
31th:1
August.:1
better.06:1
improvements:1
relative:1
onwindows.php.net/qa/.The:1
20th:1
July.:1
ourwiki.Thank:1
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better.Older:1
News:1
EntriesConferences:1
calling:1
papersMid-Atlantic:1
Developer:1
ConferenceBulgaria:1
Conference: 1
2019ScotlandPHP:1
2019Upcoming:1
conferencesPHPerKaigi:1
Russia:1
2019Web:1
Summer:1
Camp:1
2019Laracon:1
EU:1
2019:1
MadridUser:1
Group:1
EventsSpecial:1
ThanksSocial:1
media@official_phpCopyright:1
1:1
2001-2019:1
GroupMy:1
PHP.netContactOther:1
PHP.net:1
sitesMirror:1
sitesPrivacy:1
policy:1
In [5]: # VIsualization of frequency distribution
        import matplotlib.pyplot as plt
        freq.plot(20, cumulative=False)
        plt.show()
```

