

AININ MAYASYIFA ALDA

L200180195

G

MODUL 7

1. Mengekstrak kata-kata dengan awalan 'me'

```
E:\0000000 UNI STUFFS\PRAK ALGOSTRUK\L200180195_Modul7_G\Indonesia.txt - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
change.log Indonesia.txt
1 Untuk kegunaan lain, lihat Indonesia (disambiguasi) dan Id (disambiguasi).
2 "RI" beralih ke halaman ini. Untuk kegunaan lain, lihat RI (disambiguasi).
3 Republik Indonesia
4 Bendera Indonesia
5 Bendera
6 {{{coat_alt}}}
7 Lambang Negara
8 Semboyan: Bhinneka Tunggal Ika (Kawi)
9 ("Berbeda-beda, namun tetap satu")
10 Ideologi nasional: Pancasila[1][2]
11 Lagu kebangsaan: "Indonesia Raya"
12 MENU0:00
13 Wilayah yang dikendalikan Indonesia berwarna hijau
14 Wilayah yang dikendalikan Indonesia berwarna hijau
15 Lokasi Indonesia
16 Ibu kota
17 (dan kota terbesar)
18 Jakarta
19 6°10.5'S 106°49.7'E
20 Bahasa resmi
21 dan bahasa nasional Bahasa Indonesia
22 Bahasa Daerah
23 Kurang lebih 700 bahasa[3]
24 Kelompok etnik Kurang lebih 300 suku bangsa[4]
25 Agama (2010) [5]
26 87,2% Islam
27 9,9% Kristen
28 ~7,0% Protestan
29 ~2,9% Katolik Roma
30 1,7% Hindu
31 0,7% Buddha
32 0,2% Konfusianisme
33 dan lainnya
34 Demonim Indonesian
35 Pemerintahan Negara kesatuan bersistem Republik presidensial
36 • Presiden
37 Joko Widodo
38 • Wakil Presiden
```


3. Mengestrak kata depan ‘di’ dan tempat yang ditunjuknya

```
no3.py - E:\00000000 UNI STUFFS\PRAK ALGOSTRUK\L200180195_Modul7_G\no3.py (3.7.0)
File Edit Format Run Options Window Help

#nomor3

import re

f = open('Indonesia.txt', 'r', encoding='latin1')
r = r'\d\s[\w\.-]+'
string3 = re.findall(r, f.read())
print(string3)
print ("-----")

Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
== RESTART: E:\00000000 UNI STUFFS\PRAK ALGOSTRUK\L200180195_Modul7_G\no3.py ==
[['di/tkiri', 'di Asia', 'di antara', 'di dunia', 'di dunia', 'di dunia', 'di Pulau', 'di Pulau', 'di Pulau', 'di India', 'di wilayah', 'di media', 'di lebih', 'di luar', 'di Suryan', 'di akhir', 'di bencana', 'di ujung', 'di tanah', 'di mana', 'di dunia', 'di anggota', 'di India', 'di wilayah', 'di media', 'di lebih', 'di luar', 'di Suryan', 'di ingrat', 'di Belanda', 'di erupsi', 'di dataran', 'di Nusantara', 'di Nusantara', 'di sana', 'di timur', 'di pulau', 'di daerah', 'di Sumatra', 'di Nusantara', 'di daerah', 'di kerajaan', 'di Kalimantan', 'di Kalimantan', 'di Sulawesi', 'di Sulawesi', 'di daerah', 'di Sumatra', 'di kemaharajaan', 'di Asia', 'di Selat', 'di dunia', 'di pulau', 'di kerajaan-kerajaan', 'di kemaharajaan', 'di Nusantara', 'di Indonesia', 'di pada', 'di Indonesia', 'di Aceh', 'di daerah', 'di sebelah', 'di Aceh', 'di Sumatra', 'di Sumatra', 'di pulau', 'di Jawa', 'di Jawa', 'di daerah', 'di pulau', 'di pesisir', 'di pesisir', 'di bawahan', 'di bawahan', 'di bawahan', 'di beberapa', 'di Sulawesi', 'di Maluku', 'di Nusa', 'di Nusantara', 'di jahan', 'di pulau', 'di Indonesia', 'di Indonesia', 'di dua', 'di antara', 'di Jawa', 'di Hindia', 'di bawah', 'di presiden', 'di lebih', 'di saksi', 'di belakan', 'di berdasarkan', 'di bawah', 'di Pejabat', 'di luar', 'di dunia', 'di dalam', 'di bawah', 'di negara', 'di Yogyakarta', 'di Sidoarjo', 'di Indonesia', 'di Ta', 'di Asia', 'di antara', 'di antara', 'di antara', 'di antara', 'di dunia', 'di dunia', 'di Indonesia', 'di dunia', 'di di', 'di daerah', 'di sektor', 'di k', 'di awasan', 'di musim', 'di Indonesia', 'di negara-negara', 'di Indonesia', 'di baga', 'di lembaga', 'di Indonesia', 'di parlemen', 'di kabinetnya', 'di Indone', 'di Istana', 'di Indonesia', 'di Jakarta', 'di Asia', 'di awal', 'di angg', 'di Organisasi', 'di anggota', 'di Kuta', 'di atas', 'di sebagian', 'di pel', 'di anggar', 'di pada', 'di kemajuan', 'di kekurangan-kekurangan', 'di antaranya', 'di 416', 'di Indonesia', 'di Jakarta', 'di Jakarta', 'di provinsi', 'di Negara', 'di Indonesia', 'di Indonesia', 'di mata', 'di Rupiah', 'di bawah', 'di luar', 'di dunia', 'di pengimpor', 'di Pulau', 'di mana', 'di Indonesia', 'di antaranya', 'di bagian', 'di Indonesia', 'di dunia', 'di Indonesia', 'di Indonesia', 'di sel', 'di uruh', 'di negara', 'di Indonesia', 'di pusat', 'di Indonesia', 'di bawah', 'di Indonesia', 'di Papua', 'di pulau', 'di Indonesia', 'di tingkat', 'di kaum', 'di Indonesia', 'di bahasa', 'di Indonesia', 'di Indonesia', 'di luar', 'di tingkat', 'di tingkat', 'di bawah', 'di tingkat', 'di antaranya', 'di daerah', 'di seluru', 'di setiap', 'di Kalimantan', 'di Prambanan', 'di cukup', 'di Jakarta', 'di m', 'di iniat', 'di Institut', 'di Indonesia', 'di Indonesia', 'di Flores', 'di Sumba', 'di Indonesia', 'di yang', 'di Indonesia', 'di mana', 'di Hartono', 'di Harto', 'di no', 'di juara', 'di Piala', 'di Francis', 'di Indonesia', 'di Indonesia', 'di di']
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4. Mengestrak data dari berkas .html

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E:\00000000 UNI STUFFS\PRAK ALGOSTRUK\L200180195_Modul7_G\KEI.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
change.log x Indonesia.txt x KEI.html x

1 <!DOCTYPE html>
2 <html class="client-nojs" lang="en" dir="ltr">
3 <head>
4 <meta charset="UTF-8"/>
5 <title>Knowledge Economic Index - Wikipedia</title>
6 <script>document.documentElement.className="client-js";RLCONF={"wgBreakFrames":!1,"wgSeparatorTransformTable":["",""],"wgDigitTransformTable":["",""],"wgDefault
7 "wgRelevantArticleId":"23090393","wgIsProbablyEditable":!0,"wgRelevantPageIsProbablyEditable":!0,"wgRestrictionEdit":[""],"wgRestrictionMove":[""],"wgMediaViewerOnCli
8 "ready","ext.visualEditor.desktopArticleTarget.noscript":"ready","ext.uls.interlanguage":"ready","ext.wikimediaBadges":"ready"},RLPAGEMODULES=["site"],"mediawiki
9 <script>(RLQ=window.RLQ||[]).push(function(){mw.loader.implement("user.options@lhqz",function($,jQuery,require,module){/*@nomin*/mw.user.tokens.set({"patrolTo
10 });});</script>
11 <link rel="stylesheet" href="/w/load.php?lang=en&modules=ext.uls.interlanguage&ext.visualEditor.desktopArticleTarget.noscript&ext.wikimediaBadges&Cjquery
12 <script async="" src="/w/load.php?lang=en&modules=startup&only=scripts&raw=1&skin=vector"></script>
13 <meta name="ResourceLoaderDynamicStyles" content="" />
14 <link rel="stylesheet" href="/w/load.php?lang=en&modules=site.styles&only=styles&skin=vector">
15 <meta name="generator" content="MediaWiki 1.35.0-wmf.28"/>
16 <meta name="referrer" content="origin"/>
17 <meta name="referrer" content="origin-when-crossorigin"/>
18 <meta name="referrer" content="origin-when-cross-origin"/>
19 <link rel="alternate" type="application/x-wiki" title="Edit this page" href="/w/index.php?title=Knowledge_Economic_Index&action=edit"/>
20 <link rel="edit" title="Edit this page" href="/w/index.php?title=Knowledge_Economic_Index&action=edit"/>
21 <link rel="apple-touch-icon" href="/static/apple-touch/wikipedia.png"/>
22 <link rel="shortcut icon" href="/static/favicon/wikipedia.ico"/>
23 <link rel="search" type="application/opensearchdescription+xml" href="/w/opensearch_desc.php" title="Wikipedia (en)"/>
24 <link rel="EditURI" type="application/rsd+xml" href="//en.wikipedia.org/w/api.php?action=rsd"/>
25 <link rel="license" href="//creativecommons.org/licenses/by-sa/3.0/" />
26 <link rel="alternate" type="application/atom+xml" title="Wikipedia Atom feed" href="/w/index.php?title=Special:RecentChanges&feed=atom"/>
27 <link rel="canonical" href="https://en.wikipedia.org/wiki/Knowledge_Economic_Index"/>
28 <link rel="dns-prefetch" href="//login.wikimedia.org"/>
29 <link rel="dns-prefetch" href="//meta.wikimedia.org" />
30 <!--[if lt IE 9]><script src="/w/resources/lib/html5shiv/html5shiv.js"></script><![endif]-->
31 </head>
32 <body class="mediawiki ltr sitedir-ltr mw-hide-empty-elt ns-0 ns-subject mw-editable page-Knowledge_Economic_Index rootpage-Knowledge_Economic_Index skin-vector
33 <div id="mw-page-base" class="noprint"></div>
34 <div id="mw-head-base" class="noprint"></div>
35 <div id="content" class="mw-body">
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no4.py - E:\00000000 UNI STUFFS\PRAK ALGOSTRUK\L200180195_Modul7_G\n04.py (3.7.0)
File Edit Format Run Options Window Help

#nomor4

import re
f = open('KEI.html', 'r', encoding='latin1')
teks = f.read()
strings = re.findall(r'title="([\w+])">', teks)
strings= re.findall(r'">([\w+])</a></td>\n<td>([0-9.]+)</td>', teks)
x = []
for y in strings:
    x.append((y[0], float(y[1])))

print(x)
```

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help

Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
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[('Denmark', 9.58), ('Sweden', 9.52), ('Finland', 9.37), ('Netherlands', 9.32), ('Norway', 9.27), ('Canada', 9.21), ('Switzerland', 9.15), ('Australia', 9.05), ('Ireland', 8.92), ('Austria', 8.89), ('Iceland', 8.86), ('Germany', 8.87), ('Belgium', 8.73), ('Taiwan', 8.69), ('Luxembourg', 8.65), ('Japan', 8.56), ('France', 8.47), ('Estonia', 8.34), ('Slovenia', 8.25), ('Spain', 8.24), ('Singapore', 8.24), ('Israel', 8.22), ('Italy', 7.86), ('Hungary', 7.85), ('Lithuania', 7.68), ('Latvia', 7.64), ('Cyprus', 7.55), ('Portugal', 7.52), ('Greece', 7.38), ('Poland', 7.38), ('Slovakia', 7.33), ('Barbados', 7.25), ('Croatia', 7.19), ('Chile', 6.92), ('Bulgaria', 6.8), ('Romania', 6.37), ('Uruguay', 6.35), ('Qatar', 6.15), ('Dominica', 6.07), ('Malaysia', 6.06), ('Bahrain', 6.02), ('Kuwait', 6.01), ('Ukraine', 5.8), ('Argentina', 5.49), ('Brazil', 5.57), ('Turkey', 5.61), ('Jordan', 5.53), ('Armenia', 5.51), ('Mexico', 5.45), ('Thailand', 5.44), ('Oman', 5.37), ('Macedonia', 5.33), ('Mauritius', 5.18), ('Jamaica', 5.04), ('Moldova', 5.04), ('Kazakhstan', 5.01), ('Belarus', 4.93), ('Lebanon', 4.86), ('Tunisia', 4.73), ('Panama', 4.69), ('Georgia', 4.69), ('Peru', 4.64), ('Mongolia', 4.5), ('Colombia', 4.42), ('China', 4.35), ('Guyana', 4.31), ('Philippines', 4.25), ('Venezuela', 4.23), ('Namibia', 4.19), ('Albania', 4.04), ('Egypt', 4.03), ('Botswana', 3.96), ('Azerbaijan', 3.81), ('Kyrgyzstan', 3.74), ('Paraguay', 3.62), ('Ecuador', 3.46), ('Morocco', 3.45), ('Bolivia', 3.42), ('Iran', 3.39), ('Uzbekistan', 3.28), ('Algeria', 3.25), ('Indonesia', 3.23), ('Honduras', 3.21), ('India', 3.12), ('Guatemala', 3.11), ('Vietnam', 3.02), ('Swaziland', 2.93), ('Nicaragua', 2.87), ('Kenya', 2.82), ('Tajikistan', 2.79), ('Senegal', 2.63), ('Zimbabwe', 2.51), ('Ghana', 2.5), ('Uganda', 2.46), ('Madagascar', 2.37), ('Mauritania', 2.35), ('Tanzania', 2.28), ('Pakistan', 2.24), ('Lesotho', 2.15), ('Benin', 2.11), ('Nigeria', 2.04), ('Yemen', 1.8), ('Mali', 1.78), ('Mozambique', 1.71), ('Angola', 1.7), ('Cameroon', 1.69), ('Nepal', 1.61), ('Malawi', 1.55), ('Laos', 1.53), ('Bangladesh', 1.49), ('Myanmar', 1.48), ('Rwanda', 1.34), ('Ethiopia', 1.18), ('Djibouti', 1.15), ('Eritrea', 1.07)]
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