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NIM    : L200170143

Kelas  : D


MODUL 7

Regular Expressions


No 1.

```python
import re
f = open("Indonesia.txt","r",encoding="latin1")
teks = f.read()
f.close()
cocok = r'me\w+'
output = re.findall(cocok,teks)
print(output)
```

Setelah di run :

```
>>>
 RESTART: E:/KULIAH/SMT 4/Praktikum Algoritma dan Struktur Data/Modul 7/No 1.py
['merintahan', 'menjadi', 'menjalin', 'membawa', 'memonopoli', 'menyatakan', 'me
rdekaannya', 'mendapat', 'mendiami', 'mencapai', 'membentuk', 'memiliki', 'memil
iki', 'mendukung', 'merupakan', 'menjadi']
```


No 2.

```python
import re
f = open("Indonesia.txt","r",encoding="latin1")
teks = f.read()
f.close()
cocok = r'di\w+'
output = re.findall(cocok,teks)
print(output)
```

Setelah di run :

```
>>>
 RESTART: E:/KULIAH/SMT 4/Praktikum Algoritma dan Struktur Data/Modul 7/No 2.py
['disebut', 'dilintasi', 'dia', 'diri', 'dipakai', 'dipilih', 'dia', 'dipengaruh
i', 'dirinya', 'dia', 'diikuti', 'dia', 'diri', 'diri', 'diami', 'dinyatakan']
```

No 3.

```python
import re
f = open("Indonesia.txt","r",encoding="latin1")
teks = f.read()
f.close()
cocok = r'di \w+'
output = re.findall(cocok,teks)
print(output)
```

Setelah di run :

```
>>>
 RESTART: E:/KULIAH/SMT 4/Praktikum Algoritma dan Struktur Data/Modul 7/No 3.py
['di Asia', 'di antara', 'di dunia', 'di dunia', 'di dunia', 'di Pulau', 'di Pul
au', 'di Pulau', 'di India', 'di wilayah', 'di Palembang', 'di bawah', 'di akhir
', 'di bencana', 'di ujung', 'di tanah', 'di mana', 'di dunia', 'di anggota']
```

No 4.

```python
import re
f = open("KEI.html","r",encoding="latin1")
teks = f.read()
f.close()
cocok = r'([\w+]+)</a></td>\
<td>\d\.\d\d</td>\
<td>\d\.\d\d</td>\
<td>\d\.\d\d</td>\
<td>([\d.\d\d]+)'
output = re.findall(cocok,teks)
print(output)
```

Setelah di run :

```
>>>
 RESTART: E:/KULIAH/SMT 4/Praktikum Algoritma dan Struktur Data/Modul 7/No 4.py
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9.48'), ('Norway', '9.06'), ('Canada', '9.43'), ('Switzerland', '9.89'), ('Kingd
om', '9.18'), ('States', '9.45'), ('Australia', '8.72'), ('Ireland', '9.04'), ('
Austria', '8.90'), ('Iceland', '7.98'), ('Germany', '9.00'), ('Zealand', '8.65')
, ('Belgium', '8.96'), ('Taiwan', '9.24'), ('Luxembourg', '8.91'), ('Japan', '9.
15'), ('France', '8.61'), ('Estonia', '7.49'), ('Slovenia', '8.31'), ('Spain', '
8.14'), ('Singapore', '9.56'), ('Israel', '9.34'), ('China', '8.64'), ('Italy',
'8.04'), ('Hungary', '8.14'), ('Republic', '7.60'), ('Lithuania', '6.59'), ('Kor
ea', '8.47'), ('Latvia', '6.40'), ('Cyprus', '7.65'), ('Portugal', '7.43'), ('Gr
eece', '7.63'), ('Poland', '6.92'), ('Slovakia', '6.86'), ('Barbados', '7.51'),
('Croatia', '7.54'), ('Chile', '6.81'), ('Bulgaria', '6.43'), ('Emirates', '6.74
'), ('Romania', '5.66'), ('Uruguay', '5.26'), ('Qatar', '5.77'), ('Dominica', '3
.76'), ('Rica', '6.24'), ('Malaysia', '6.83'), ('Federation', '6.89'), ('Bahrain
', '4.20'), ('Kuwait', '5.05'), ('Ukraine', '5.77'), ('Argentina', '6.85'), ('To
bago', '6.02'), ('Brazil', '6.07'), ('Turkey', '5.67'), ('Africa', '6.92'), ('Jo
rdan', '5.66'), ('Armenia', '6.17'), ('Mexico', '5.82'), ('Thailand', '5.98'), (
'Oman', '4.95'), ('Macedonia', '4.76'), ('Mauritius', '3.70'), ('Arabia', '4.04'
), ('Jamaica', '5.36'), ('Moldova', '4.39'), ('Kazakhstan', '3.77'), ('Belarus',
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a', '5.38'), ('Peru', '3.88'), ('Mongolia', '2.06'), ('Colombia', '4.26'), ('Chi
na', '5.12'), ('Guyana', '4.47'), ('Philippines', '3.63'), ('Venezuela', '5.73')
, ('Namibia', '3.30'), ('Lanka', '4.44'), ('Albania', '3.10'), ('Egypt', '4.55')
, ('Botswana', '4.34'), ('Republic', '2.91'), ('Salvador', '3.19'), ('Azerbaijan
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), ('Algeria', '3.48'), ('Verde', '2.25'), ('Indonesia', '3.32'), ('Honduras', '
3.30'), ('India', '3.97'), ('Guatemala', '2.47'), ('Vietnam', '2.83'), ('Swazila
nd', '4.55'), ('Republic', '3.44'), ('Nicaragua', '1.99'), ('Kenya', '3.87'), ('
Tajikistan', '2.33'), ('Senegal', '2.77'), ('Zimbabwe', '4.09'), ('Ghana', '2.08
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ia', '2.39'), ('Pakistan', '2.75'), ('Lesotho', '2.70'), ('Benin', '2.33'), ('Ni
geria', '2.72'), ('Yemen', '1.68'), ('Mali', '1.69'), ('Mozambique', '1.86'), ('
Angola', '2.44'), ('Cameroon', '2.49'), ('Faso', '2.15'), ('Nepal', '2.04'), ('M
alawi', '2.11'), ('Laos', '1.43'), ('Bangladesh', '1.71'), ('Myanmar', '1.17'),
('Rwanda', '1.47'), ('Ethiopia', '1.57'), ('Djibouti', '1.29'), ('Eritrea', '1.5
6'), ('Leone', '1.70')]
```