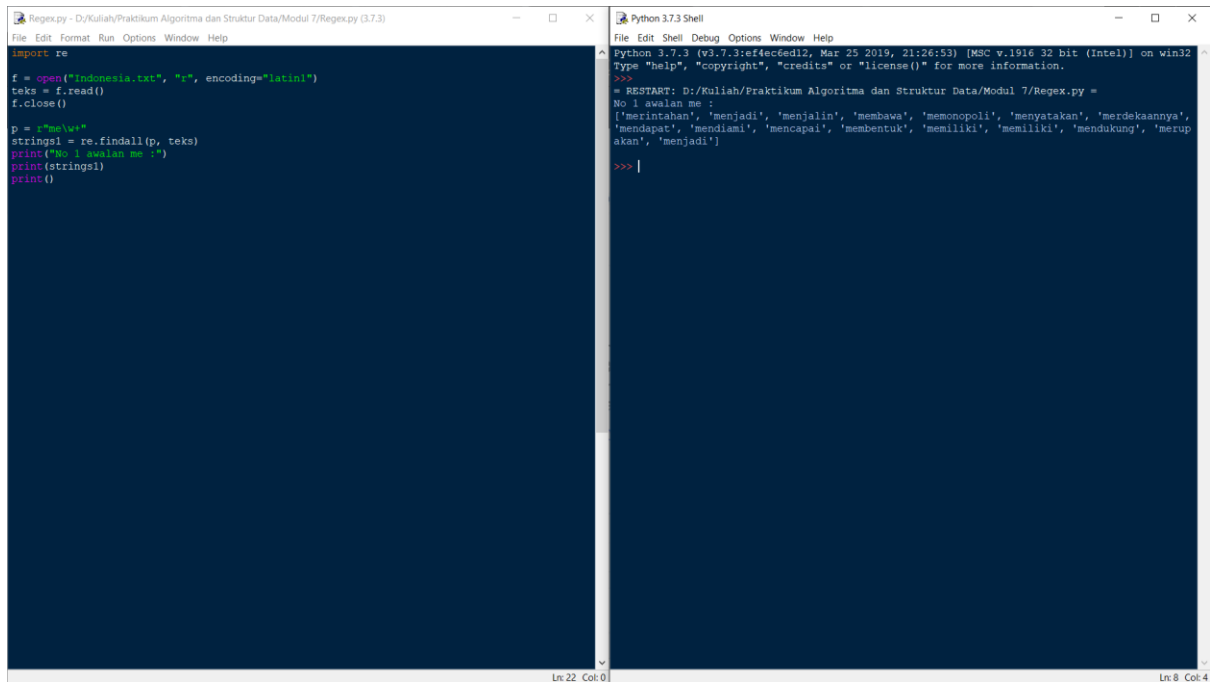


LAPORAN PRAKTIKUM ALGORITMA DAN STRUKTUR DATA MODUL 7

REYLIAN PREALDREAM ANAREKA
L200180087
KELAS D

Nomer 1



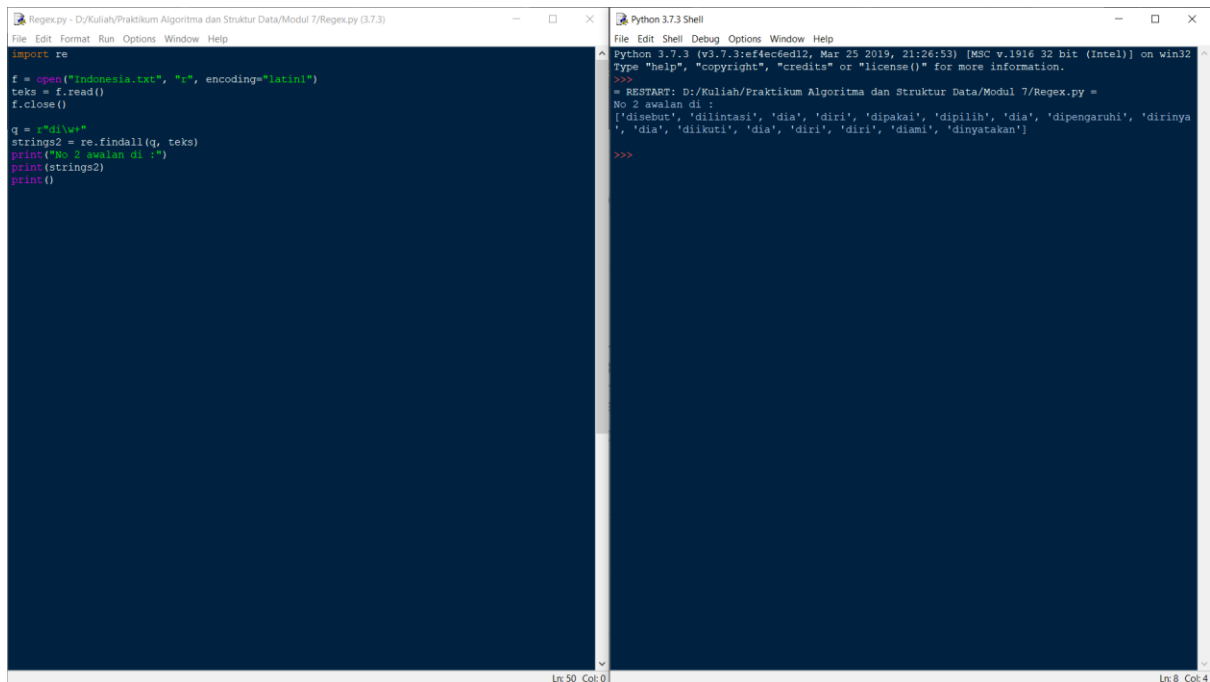
The screenshot shows a Python script in a text editor and its execution in a Python 3.7.3 Shell. The script reads a file named 'Indonesia.txt' and searches for words starting with 'me'.

```
import re
f = open("Indonesia.txt", "r", encoding="latin1")
teks = f.read()
f.close()

p = r"me\w*"
strings1 = re.findall(p, teks)
print("No 1 awalan me :")
print(strings1)
print()
```

The output in the shell shows the list of words found: ['merintahan', 'menjadi', 'menjalin', 'membawa', 'memonopoli', 'menyatakan', 'merdekaannya', 'mendapat', 'mendiami', 'mencapai', 'membentuk', 'memiliki', 'memiliki', 'mendukung', 'merupakan', 'menjadi'].

Nomer 2



The screenshot shows a Python script in a text editor and its execution in a Python 3.7.3 Shell. The script reads a file named 'Indonesia.txt' and searches for words containing 'di'.

```
import re
f = open("Indonesia.txt", "r", encoding="latin1")
teks = f.read()
f.close()

q = r"di\w*"
strings2 = re.findall(q, teks)
print("No 2 awalan di :")
print(strings2)
print()
```

The output in the shell shows the list of words found: ['disebut', 'dilintasi', 'dia', 'diri', 'dipakai', 'dipilih', 'dia', 'dipengaruhi', 'dirinya', 'dia', 'diikuti', 'dia', 'diri', 'diami', 'dinyatakan'].

Nomer 3

```
Regexp.py - D:\Kuliah\Praktikum Algoritma dan Struktur Data\Modul 7\Regexp.py (3.7.3)
File Edit Format Run Options Window Help
import re
f = open("Indonesia.txt", "r", encoding="latin1")
teks = f.read()
f.close()
r = r"di\w+"
strings3 = re.findall(r, teks)
print("No 3 awalan di :")
print(strings3)
print()
```

```
Python 3.7.3 Shell
File Edit Shell Debug Options Window Help
Python 3.7.3 (v3.7.3:ef4ec6d12, Mar 25 2019, 21:26:53) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: D:\Kuliah\Praktikum Algoritma dan Struktur Data\Modul 7\Regexp.py =
No 3 awalan di :
['di Asia', 'di antara', 'di dunia', 'di dunia', 'di dunia', 'di Pulau', 'di Pulau', 'di Pul
au', 'di India', 'di wilayah', 'di Palembang', 'di bawah', 'di akhir', 'di bencana', 'di uju
ng', 'di tanah', 'di mana', 'di dunia', 'di anggota']
>>> |
```

Nomer 4

```
Regexp.py - D:\Kuliah\Praktikum Algoritma dan Struktur Data\Modul 7\Regexp.py (3.7.3)
File Edit Format Run Options Window Help
import re
f = open("WE1.html", "r", encoding="latin1")
teks = f.read()
f.close()
s = r"([a-zA-Z0-9]{2,})"
strings4 = re.findall(s, teks)
print("No 4 ekstrak semua nama negara :")
print(strings4)
print()
```

```
Python 3.7.3 Shell
File Edit Shell Debug Options Window Help
Python 3.7.3 (v3.7.3:ef4ec6d12, Mar 25 2019, 21:26:53) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: D:\Kuliah\Praktikum Algoritma dan Struktur Data\Modul 7\Regexp.py =
No 4 ekstrak semua nama negara :
[('Denmark', '5.57'), ('Sweden', '5.79'), ('Finland', '9.66'), ('Netherlands', '9.48'), ('No
rway', '9.06'), ('Canada', '9.43'), ('Switzerland', '9.89'), ('Kingdom', '9.18'), ('States',
'9.45'), ('Australia', '9.72'), ('Ireland', '9.04'), ('Austria', '8.90'), ('Iceland', '7.98'
), ('Germany', '9.00'), ('Zealand', '8.65'), ('Belgium', '8.96'), ('Taiwan', '9.24'), ('Luxe
mbourg', '8.91'), ('Japan', '9.15'), ('France', '8.61'), ('Estonia', '7.49'), ('Slovenia', '
8.31'), ('Spain', '8.14'), ('Singapore', '8.86'), ('Israel', '9.34'), ('China', '8.64'), ('I
taly', '8.04'), ('Hungary', '8.14'), ('Republic', '7.60'), ('Lithuania', '6.59'), ('Korea',
'8.47'), ('Latvia', '6.40'), ('Cyprus', '7.65'), ('Portugal', '7.43'), ('Greece', '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', '5.2
6'), ('Qatar', '5.77'), ('Dominica', '3.76'), ('Rica', '6.24'), ('Malaysia', '6.83'), ('Fede
ration', '6.89'), ('Bahrain', '4.20'), ('Mauritius', '5.05'), ('Ukraine', '5.77'), ('Argentina',
'6.85'), ('Tobago', '6.02'), ('Brazil', '6.07'), ('Turkey', '5.67'), ('Africa', '6.92'), (
'Jordan', '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', '5.54'), ('Lebanon', '4.69'), (
Tunisia', '4.58'), ('Panama', '5.45'), ('Georgia', '5.38'), ('Peru', '3.88'), ('Mongolia', '
2.06'), ('Colombia', '4.26'), ('China', '5.12'), ('Guyana', '4.47'), ('Philippines', '3.63'
), ('Venezuela', '5.73'), ('Namibia', '3.30'), ('Lanka', '4.44'), ('Albania', '3.10'), ('Egyp
t', '4.55'), ('Botswana', '4.34'), ('Republic', '2.91'), ('Salvador', '3.19'), ('Azerbaijan',
'3.05'), ('Kyrgyzstan', '2.70'), ('Paraguay', '3.47'), ('Ecuador', '3.55'), ('Morocco', '3
.67'), ('Bolivia', '3.05'), ('Iran', '3.02'), ('Uzbekistan', '3.51'), ('Algeria', '3.48'), (
'Verde', '2.25'), ('Indonesia', '3.32'), ('Honduras', '3.30'), ('India', '3.97'), ('Guatemal
a', '2.47'), ('Vietnam', '2.83'), ('Swaziland', '4.55'), ('Republic', '3.44'), ('Nicaragua',
'1.98'), ('Kenya', '3.67'), ('Tajikistan', '2.33'), ('Senegal', '2.77'), ('Zimbabwe', '4.08'
), ('Ghana', '2.08'), ('Danda', '2.72'), ('Madagascar', '2.54'), ('Mauritania', '1.75'), (
Tanzania', '2.39'), ('Pakistan', '2.75'), ('Lesotho', '2.70'), ('Benin', '2.33'), ('Nigeria'
, '2.72'), ('Yemen', '1.68'), ('Mali', '1.69'), ('Mozambique', '1.86'), ('Angola', '2.44'), (
'Cameroon', '2.49'), ('Faso', '2.15'), ('Nepal', '2.04'), ('Malawi', '2.11'), ('Laos', '1.4
3'), ('Bangladesh', '1.71'), ('Myanmar', '1.17'), ('Banda', '1.47'), ('Ethiopia', '1.57'), (
'Djibouti', '1.29'), ('Eritrea', '1.56'), ('Lesne', '1.70')]
>>> |
```