LAPORAN TUGAS AKHIR PRAKTIKUM
MODUL 11-12
PRAKTIKUM ALGORTIMA DAN STRUKTUR DATA

KELOMPOK : TOPIK 9

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PRODI INFORMATIKA
FAKULTAS KOMUNIKASI DAN INFORMATIKA
UNIVERSITAS MUHAMMADIYAH SURAKARTA

2021

Data :

No	Pertandingan / Match	Tempat / Venue	Waktu / Time
1	Russia – Saudi Arabia	Moskwa Luzhniki	14 June 2018, 22.00
2	Egypt – Uruguay	Yekaterinburg	15 June 2018, 19.00
3	Russia – Egypt	St. Petersburg	20 June 2018, 01.00
4	Uruguay – Saudi Arabia	Rostov-on-Don	20 June 2018, 22.00
5	Saudi Arabia – Egypt	Vologorad	25 June 2018, 21.00
6	Uruguay – Russia	Samara	25 June 2018, 21.00
7	Portugal – Spain	Sochi	16 June 2018, 01.00
8	Morocco – Iran	St. Petersburg	15 June 2018, 22.00
9	Portugal – Morocco	Moskwa Luzhniki	20 June 2018, 19.00
10	Iran – Spain	Kazan	21 June 2018, 01.00
11	Spain – Morocco	Kaliningrad	26 June 2018, 01.00
12	Iran – Portugal	Saransk	26 June 2018, 01.00
13	France – Australia	Kazan	16 June 2018, 17.00
14	Peru – Denmark	Saransk	16 June 2018, 23.00
15	France – Peru	Yekaterinburg	21 June 2018, 22.00
16	Denmark – Australia	Samara	21 June 2018, 19.00
17	Denmark – France	Moskwa Luzhniki	26 June 2018, 21.00
18	Australia – Peru	Sochi	26 June 2018, 21.00
19	Argentina – Iceland	Moskwa Spartak	16 June 2018, 20.00
20	Croatia – Nigeria	Kaliningrad	17 June 2018, 02.00
21	Argentina – Croatia	Nizhni Novgorod	22 June 2018, 01.00
22	Nigeria – Iceland	Volgograd	22 June 2018, 22.00
23	Iceland – Croatia	Rostov-on-Don	27 June 2018, 01.00
24	Nigeria – Argentina	St. Petersburg	27 June 2018, 01.00
25	Brazil – Switzerland	Rostov-on-Don	18 June 2018, 01.00
26	Costa Rica – Serbia	Samara	17 June 2018, 19.00
27	Brazil – Costa Rica	St. Petersburg	22 June 2018, 19.00

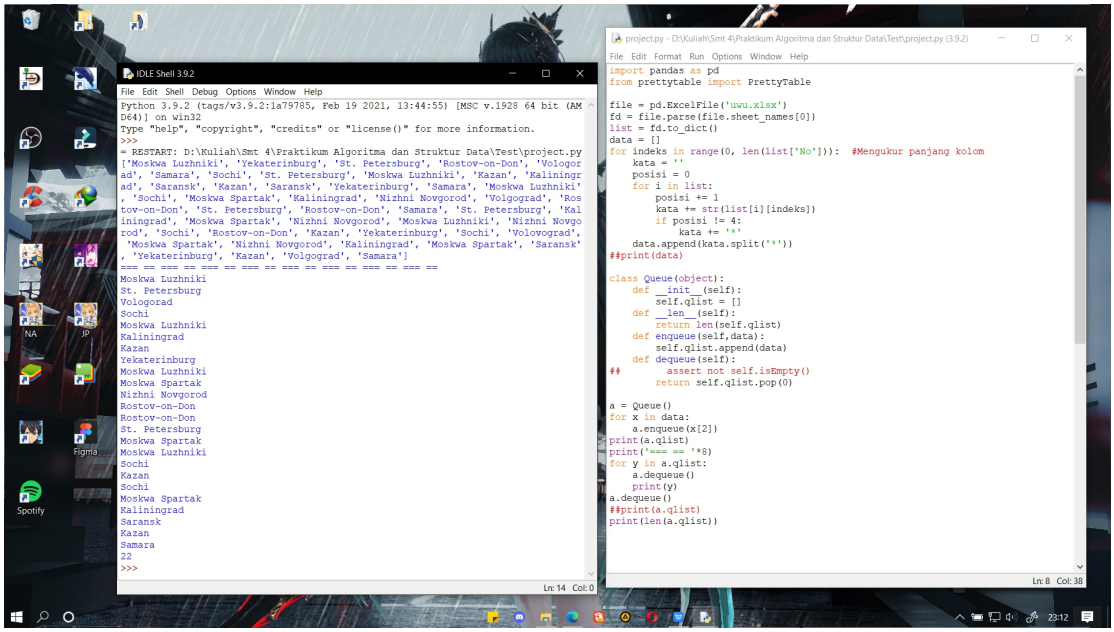
28	Serbia – Switzerland	Kaliningrad	23 June 2018, 01.00
29	Serbia – Brazil	Moskwa Spartak	28 June 2018, 01.00
30	Switzerland – Costa Rica	Nizhni Novgorod	28 June 2018, 01.00
31	Germany – Mexico	Moskwa Luzhniki	17 June 2018, 22.00
32	Sweden – South Korea	Nizhni Novgorod	18 June 2018, 19.00
33	Germany – Sweden	Sochi	24 June 2018, 01.00
34	South Korea – Mexico	Rostov-on-Don	23 June 2018, 22.00
35	South Korea – Germany	Kazan	27 June 2018, 21.00
36	Mexico – Sweden	Yekaterinburg	27 June 2018, 21.00
37	Belgium – Panama	Sochi	18 June 2018, 22.00
38	Tunisia – England	Volovograd	19 June 2018, 01.00
39	Belgium – Tunisia	Moskwa Spartak	23 June 2018, 19.00
40	England – Panama	Nizhni Novgorod	24 June 2018, 19.00
41	England – Belgium	Kaliningrad	29 June 2018, 01.00
42	Poland – Senegal	Moskwa Spartak	19 June 2018, 22.00
43	Colombia – Japan	Saransk	19 June 2018, 19.00
44	Japan – Senegal	Yekaterinburg	24 June 2018, 22.00
45	Poland – Colombia	Kazan	25 June 2018, 01.00
46	Japan – Poland	Volgograd	28 June 2018, 21.00
47	Senegal – Colombia	Samara	28 June 2018, 21.00

Sintaks

```
import pandas as pd
from prettytable import PrettyTable

file = pd.ExcelFile('data.xlsx')
fd = file.parse(file.sheet_names[0])
list = fd.to_dict()
data = []
for indeks in range(0, len(list['No'])):    #Mengukur panjang kolom
        kata = ''
        posisi = 0
        for i in list:
                posisi += 1
                kata += str(list[i][indeks])
                if posisi != 4:
                        kata += '*'
        data.append(kata.split('*'))
##print(data)

class Queue(object):
        def __init__(self):
                self.qlist = []
        def __len__(self):
                return len(self.qlist)
```

```
        def enqueue(self,data):
                self.qlist.append(data)
        def dequeue(self):
##                  assert not self.isEmpty()
                return self.qlist.pop(0)

a = Queue()
for x in data:
        a.enqueue(x[2])
print(a.qlist)
print('=== == '*8)
for y in a.qlist:
        a.dequeue()
        print(y)
a.dequeue()
##print(a.qlist)
print(len(a.qlist))
```

ScreenShot :



```
import pandas as pd
from prettytable import PrettyTable

file = pd.ExcelFile('uwu.xlsx')
fd = file.parse(file.sheet_names[0])
list = fd.to_dict()
data = []
for indeks in range(0, len(list['No'])):  #Mengukur panjang kolom
    kata = ''
    posisi = 0
    for i in list:
        posisi += 1
        kata += str(list[i][indeks])
        if posisi != 4:
            kata += '*'
    data.append(kata.split('*'))
##print(data)

class Queue(object):
    def __init__(self):
        self.qlist = []
    def __len__(self):
        return len(self.qlist)
    def enqueue(self,data):
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    def dequeue(self):
##        assert not self.isEmpty()
        return self.qlist.pop(0)

a = Queue()
for x in data:
    a.enqueue(x[2])
print(a.qlist)
print('=== == '*8)
for y in a.qlist:
    a.dequeue()
    print(y)
a.dequeue()
##print(a.qlist)
print(len(a.qlist))
```

Output :

```
Python 3.9.2 (tags/v3.9.2:1a79785, Feb 19 2021, 13:44:55) [MSC v.1928 64 bit (AM
D64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: D:\Kuliah\Smt 4\Praktikum Algoritma dan Struktur Data\Test\project.py
['Moskwa Luzhniki', 'Yekaterinburg', 'St. Petersburg', 'Rostov-on-Don', 'Vologor
ad', 'Samara', 'Sochi', 'St. Petersburg', 'Moskwa Luzhniki', 'Kazan', 'Kaliningr
ad', 'Saransk', 'Kazan', 'Saransk', 'Yekaterinburg', 'Samara', 'Moskwa Luzhniki'
, 'Sochi', 'Moskwa Spartak', 'Kaliningrad', 'Nizhni Novgorod', 'Volgograd', 'Ros
tov-on-Don', 'St. Petersburg', 'Rostov-on-Don', 'Samara', 'St. Petersburg', 'Kal
iningrad', 'Moskwa Spartak', 'Nizhni Novgorod', 'Moskwa Luzhniki', 'Nizhni Novgo
rod', 'Sochi', 'Rostov-on-Don', 'Kazan', 'Yekaterinburg', 'Sochi', 'Volovograd',
 'Moskwa Spartak', 'Nizhni Novgorod', 'Kaliningrad', 'Moskwa Spartak', 'Saransk'
, 'Yekaterinburg', 'Kazan', 'Volgograd', 'Samara']
=== == === == === == === == === == === == === == === ==
Moskwa Luzhniki
St. Petersburg
Vologorad
Sochi
Moskwa Luzhniki
Kaliningrad
Kazan
Yekaterinburg
Moskwa Luzhniki
Moskwa Spartak
Nizhni Novgorod
Rostov-on-Don
Rostov-on-Don
St. Petersburg
Moskwa Spartak
Moskwa Luzhniki
Sochi
Kazan
Sochi
Moskwa Spartak
Kaliningrad
Saransk
Kazan
Samara
22
>>>
```