

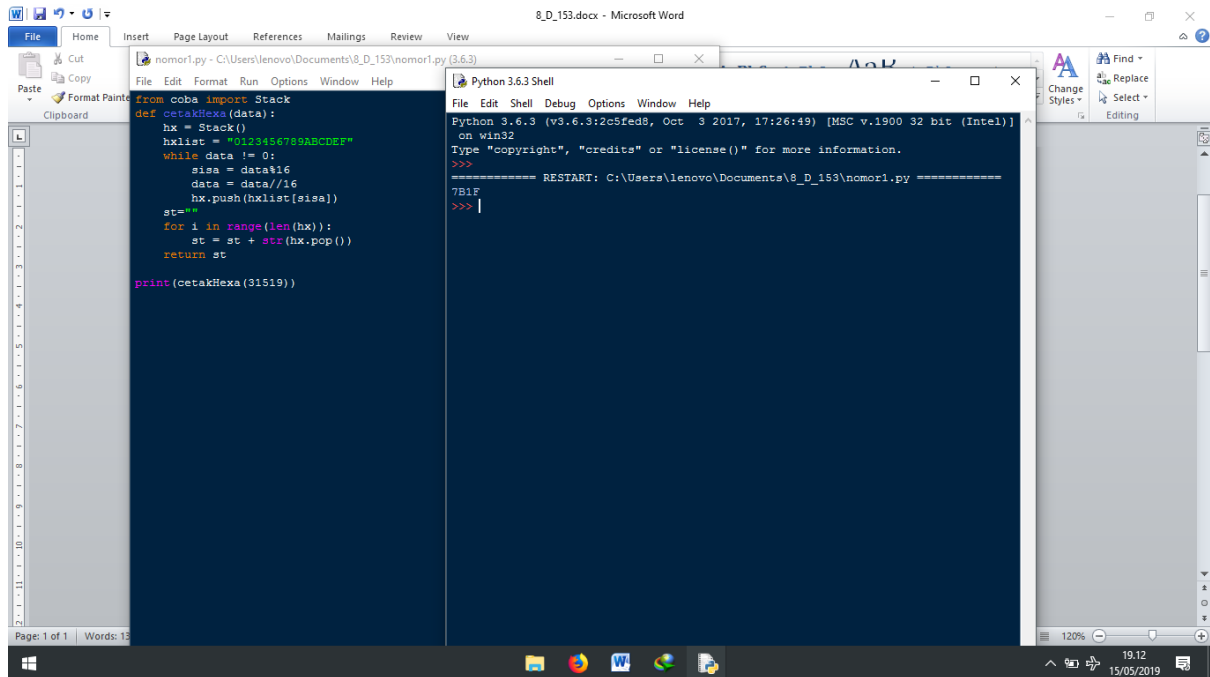
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L200170153

Kelas D

Modul 8

Nomor 1

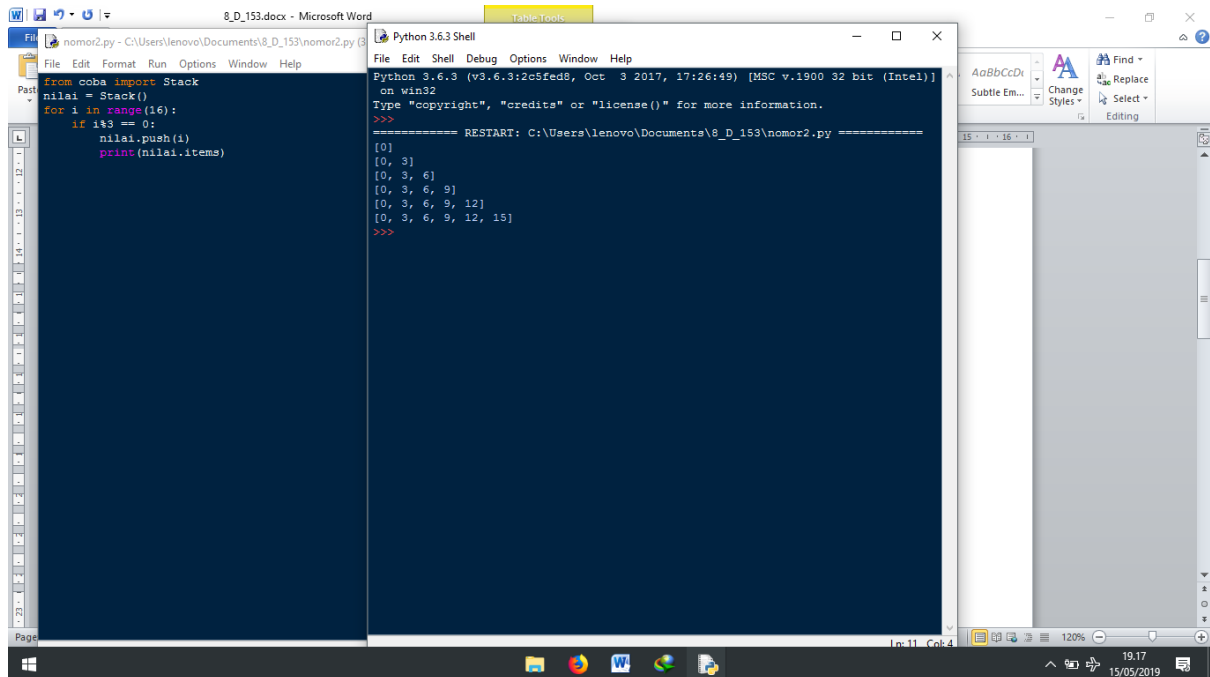


The screenshot shows a Windows desktop with a Microsoft Word document titled '8_D_153.docx' and a Python 3.6.3 Shell window. The Word document contains a Python script named 'nomor1.py' that defines a 'cekHexa' function. The Python Shell window shows the execution of the script, which prints '7B1F'.

```
from coba import Stack
def cekHexa(data):
    hx = Stack()
    hxlist = "0123456789ABCDEF"
    while data != 0:
        sisa = data%16
        data = data//16
        hx.push(hxlist[sisa])
    st=""
    for i in range(len(hx)):
        st = st + str(hx.pop())
    return st
print(cekHexa(31519))
```

```
Python 3.6.3 (v3.6.3:2c5fed8, Oct 3 2017, 17:26:49) [MSC v.1900 32 bit (Intel)]
on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\lenovo\Documents\8_D_153\nomor1.py =====
7B1F
>>> |
```

Nomor 2



The screenshot shows a Windows desktop with a Microsoft Word document titled '8_D_153.docx' and a Python 3.6.3 Shell window. The Word document contains a Python script named 'nomor2.py' that defines a 'cekHexa' function. The Python Shell window shows the execution of the script, which prints a list of hexadecimal values.

```
from coba import Stack
nilai = Stack()
for i in range(16):
    if i%3 == 0:
        nilai.push(i)
        print(nilai.items)
```

```
Python 3.6.3 (v3.6.3:2c5fed8, Oct 3 2017, 17:26:49) [MSC v.1900 32 bit (Intel)]
on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\lenovo\Documents\8_D_153\nomor2.py =====
[0]
[0, 3]
[0, 3, 6]
[0, 3, 6, 9]
[0, 3, 6, 9, 12]
[0, 3, 6, 9, 12, 15]
>>>
```

Keterangan

i	i % 3 = 0	push
0	True	[0]
1	False	
2	False	
3	True	[0,3]
4	False	
5	False	
6	True	[0,3,6]
7	False	
8	False	
9	True	[0,3,6,9]
10	False	
11	False	
12	True	[0,3,6,9,12]
13	False	
14	False	
15	True	[0,3,6,9,12,15]

Nomor 3

The screenshot displays a Windows desktop environment. In the background, a Microsoft Word document titled '8_D_153.docx' is open. In the foreground, a Python 3.6.3 Shell window is active, showing the execution of a Python script named 'nomor3.py'. The script is as follows:

```
from collections import Stack
nilai = Stack()
for i in range(16):
    if i%3 == 0:
        nilai.push(i)
    elif i%4 == 0:
        nilai.pop()
print(nilai.items)
```

The Python Shell window shows the following output:

```
Python 3.6.3 (v3.6.3:2c5fed8, Oct 3 2017, 17:26:49) [MSC v.1900 32 bit (Intel)]
on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\lenovo\Documents\8_D_153\nomor3.py =====
>>>
[0, 9, 12, 15]
>>>
```

Keterangan

i	i % 3 = 0	push	i % 4 = 0	pop
0	True	[0]	-	
1	False		False	
2	False		False	
3	True	[0,3]	-	
4	False		True	[0]
5	False		False	

6	True	[0,6]	-	
7	False		False	
8	False		True	[0]
9	True	[0,9]	-	
10	False		False	
11	False		False	
12	True	[0,9,12]	-	
13	False		False	
14	False		False	
15	True	[0, 9,12,15]	-	