

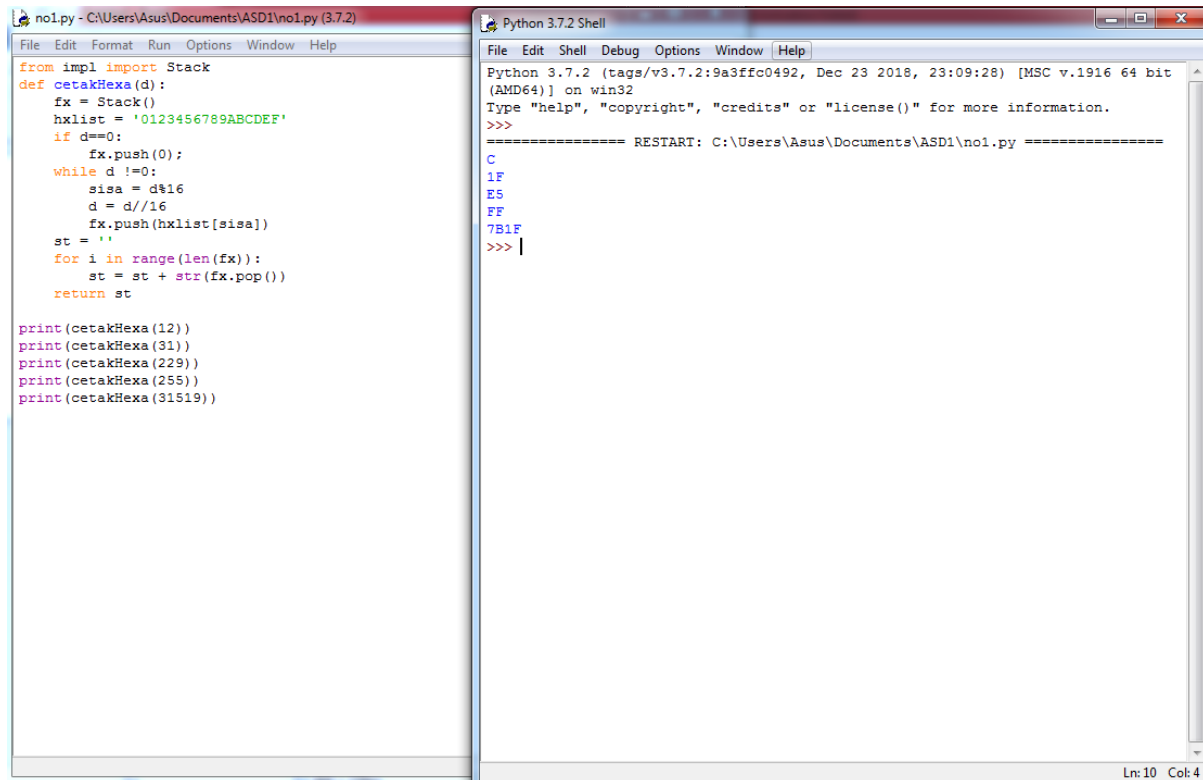
Nama : Rifqi Wirawan

NIM : L200170141

Kelas : D

Modul 8

Nomer 1



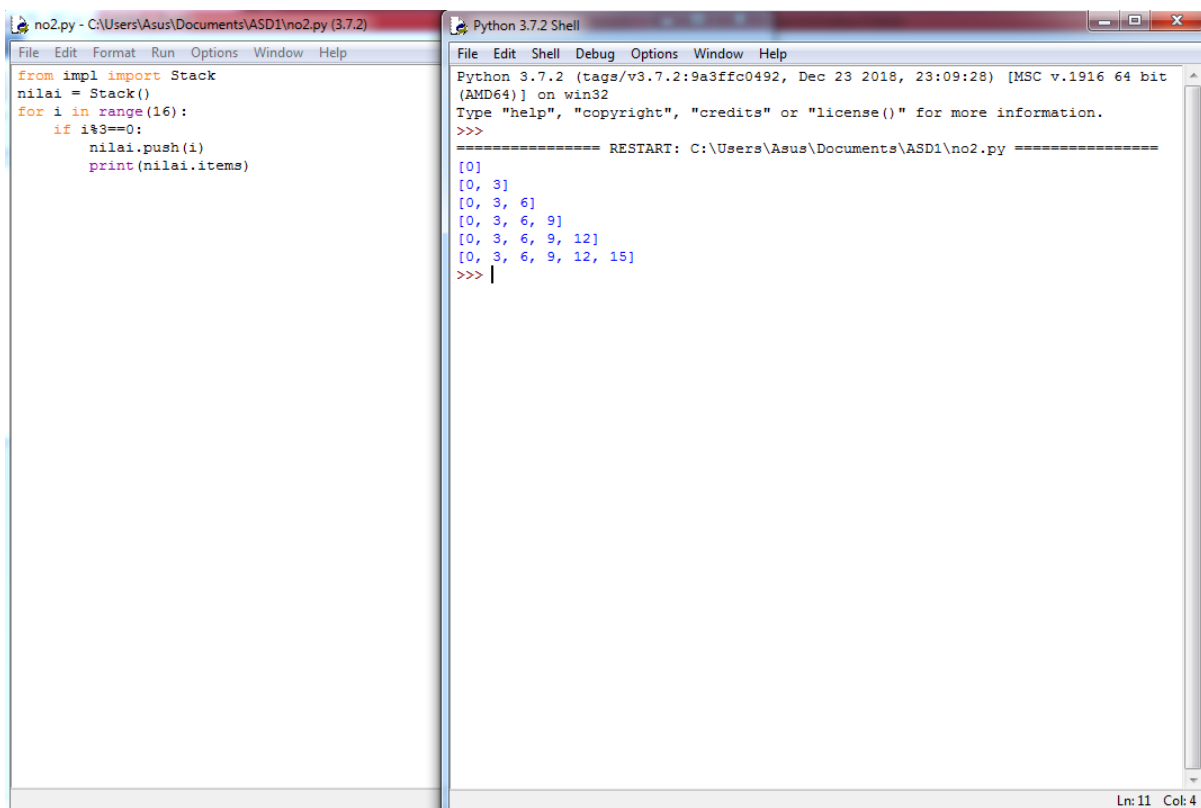
```
no1.py - C:\Users\Asus\Documents\ASD1\no1.py (3.7.2)
File Edit Format Run Options Window Help
from impl import Stack
def cetakHexa(d):
    fx = Stack()
    hxlist = '0123456789ABCDEF'
    if d==0:
        fx.push(0);
    while d !=0:
        sisa = d%16
        d = d//16
        fx.push(hxlist[sisa])
    st = ''
    for i in range(len(fx)):
        st = st + str(fx.pop())
    return st

print(cetakHexa(12))
print(cetakHexa(31))
print(cetakHexa(229))
print(cetakHexa(255))
print(cetakHexa(31519))

Python 3.7.2 Shell
File Edit Shell Debug Options Window Help
Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 23:09:28) [MSC v.1916 64 bit
(AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\Asus\Documents\ASD1\no1.py =====
C
1F
E5
FF
7B1F
>>> |

Ln: 10 Col: 4
```

Nomer 2



The image shows a screenshot of a Python 3.7.2 IDE with two windows. The left window, titled 'no2.py - C:\Users\Asus\Documents\ASD1\no2.py (3.7.2)', contains the following Python code:

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

The right window, titled 'Python 3.7.2 Shell', shows the execution output. It starts with the Python version and build information, followed by a restart message. The output then displays the state of the stack at each iteration where the condition `i%3==0` is met:

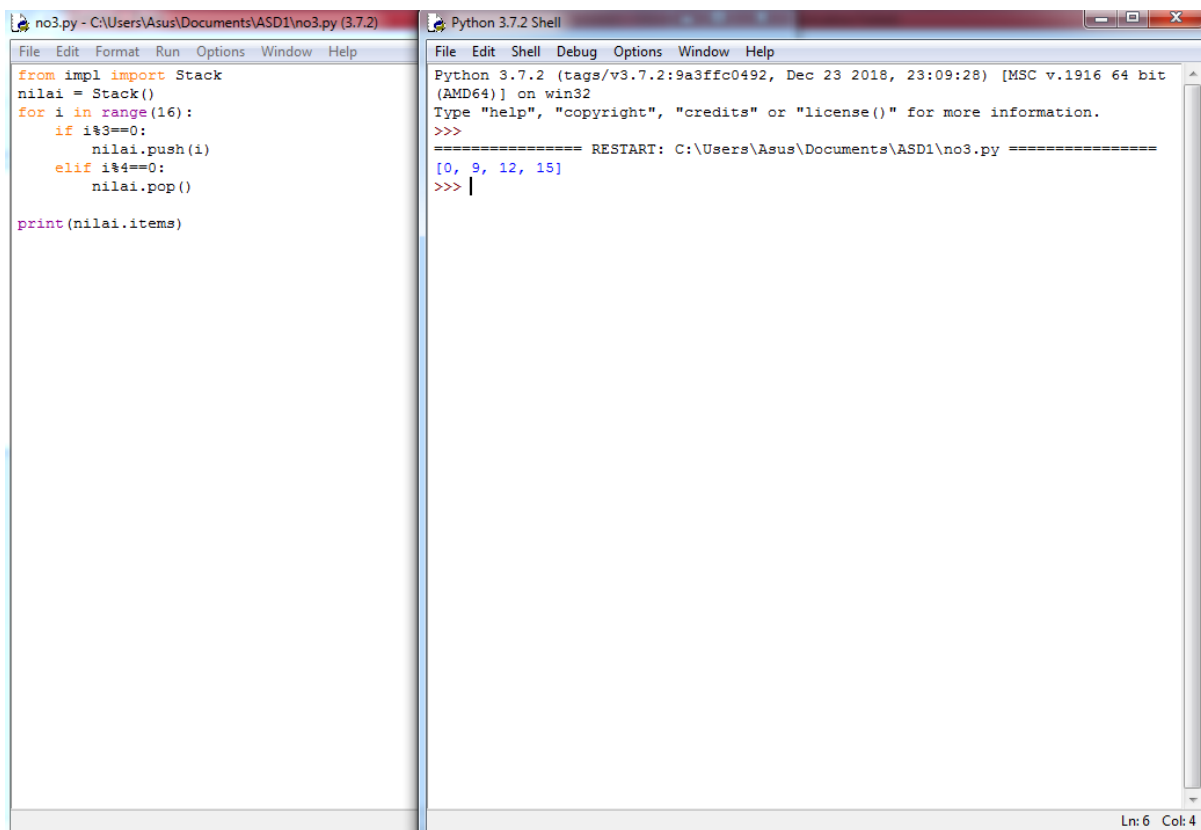
```
Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 23:09:28) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\Asus\Documents\ASD1\no2.py =====
[0]
[0, 3]
[0, 3, 6]
[0, 3, 6, 9]
[0, 3, 6, 9, 12]
[0, 3, 6, 9, 12, 15]
>>> |
```

The status bar at the bottom right indicates 'Ln: 11 Col: 4'.

Penjelasan:

Pada saat program dijalankan akan dimulai dari angka 0 kemudian akan diproses dengan dimodulus dengan 3 kemudian berlanjut sampai program menemukan angka 3 yang bisa dimodulus dengan 3 kemudian akan terus berlanjut sampai range ke 16 dan kemudian berhenti.

Nomer 3



The image shows a screenshot of a Python IDE with two windows. The left window, titled 'no3.py - C:\Users\Asus\Documents\ASD1\no3.py (3.7.2)', contains the following Python code:

```
from impl 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 right window, titled 'Python 3.7.2 Shell', shows the execution output:

```
Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 23:09:28) [MSC v.1916 64 bit
(AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\Asus\Documents\ASD1\no3.py =====
[0, 9, 12, 15]
>>> |
```

The status bar at the bottom right of the shell window indicates 'Ln: 6 Col: 4'.

Penjelasan:

Pada saat program dijalankan akan dimulai dari angka 0 kemudian akan diproses dengan dimodulus dengan 3 kemudian berlanjut sampai program menemukan angka 3 yang bisa dimodulus dengan 3. Berlanjut dengan angka 4 yang bisa dimodulus dengan 4 kemudian berjalan sampai range 16.