

Hastyana R (L200170172)

ASD

1.

```
File Edit Format Run Options Window Help Python 3.6.3 Shell
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
>>> |
```

```
from coba import Stack
def cetakHexa(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(cetakHexa(31519))
```

2.

```
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>>>
===== 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]
>>>
```

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

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]

3.

```
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Python 3.6.3 (v3.6.3:2c5fed8, Oct 3 2017, 17:26:49) [MSC v.1900 32 bit (Intel)]
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>>>
===== RESTART: C:\Users\lenovo\Documents\8_D_153\nomor3.py =====
>>>
[0, 9, 12, 15]
>>> |
```

```
from coba 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)
```

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]	-	