

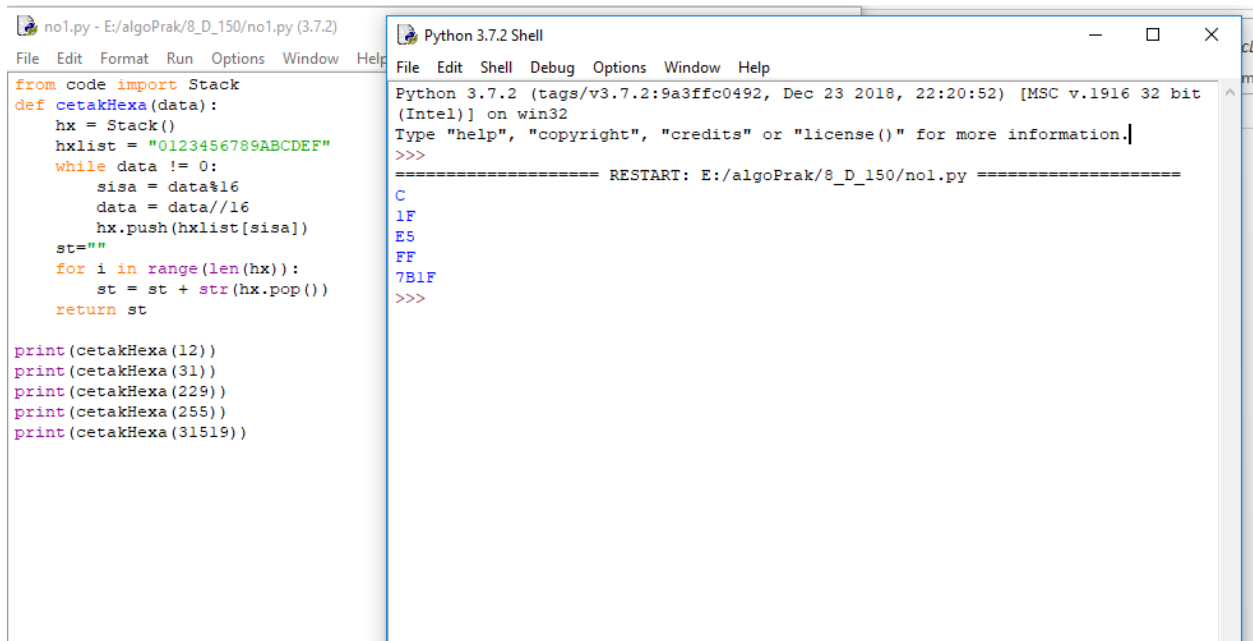
YOGA TRI PRIHATIN

L200170150

KELAS D

MODUL 8

NOMOR 1



```
no1.py - E:/algoPrak/8_D_150/no1.py (3.7.2)
File Edit Format Run Options Window Help

from code 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(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, 22:20:52) [MSC v.1916 32 bit
(Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: E:/algoPrak/8_D_150/no1.py =====
C
1F
E5
FF
7B1F
>>>
```

NOMOR 2

```

no2.py - E:/algoPrak/8_D_150/no2.py (3.7.2)
File Edit Format Run Options Window Help
from code import Stack
nilai = Stack()
for i in range(16):
    if i%3 == 0:
        nilai.push(i)
        print(nilai.items)

Python 3.7.2 Shell
File Edit Shell Debug Options Window Help
Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 22:20:52) [MSC v.1916 32 bit
(Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: E:/algoPrak/8_D_150/no2.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	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	TURE	[0,3,6,9,12]
13	FALSE	
14	FALSE	
15	TRUE	[0,3,6,9,12,15]

NOMOR 3

```

no3.py - E:/algoPrak/8_D_150/no3.py (3.7.2)
File Edit Format Run Options Window
from code 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)

Python 3.7.2 Shell
File Edit Shell Debug Options Window Help
Python 3.7.2 (tags/v3.7.2:9a3ffc0492, Dec 23 2018, 22:20:52) [MSC v.1916 32 bit
(Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: E:/algoPrak/8_D_150/no3.py =====
[0, 9, 12, 15]
>>> |
  
```

KETERANGAN :

I	I % 3 = 0	PUSH	I % 4 = 0	
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]	-	