Nama : Annas Fagiat

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Kelas : D

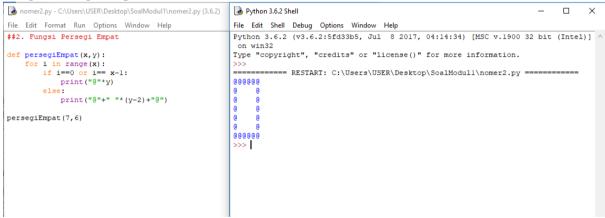
### **Tugas Modul 1**

### Praktikum Algoritma dan Struktur Data

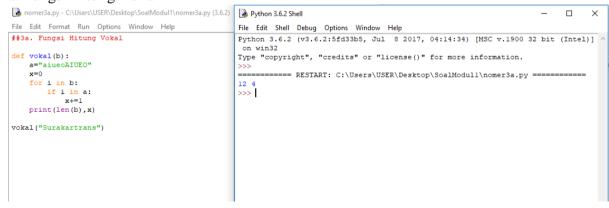
# 1. Fungsi Cetak Siku



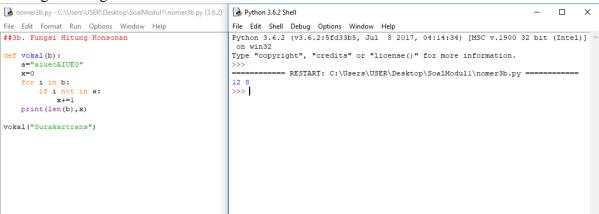
## 2. Fungsi Persegi Empat



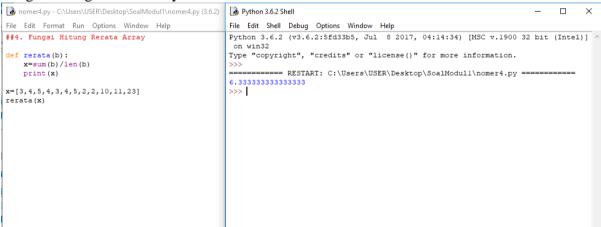
### 3. a. Fungsi Hitung Vokal



b. Fungsi Hitung Konsonan



4. Fungsi Hitung Rerata Array



5. Fungsi Menentukan Bilangan Prima

```
nomer5.py - C:\Users\USER\Desktop\SoalModul1\nomer5.py (3.6.2)
                                                                        Python 3.6.2 Shell
                                                                                                                                                                                 File Edit Format Run Options Window Help
                                                                        File Edit Shell Debug Options Window Help
                                                                        Python 3.6.2 (v3.6.2:5fd33b5, Jul 8 2017, 04:14:34) [MSC v.1900 32 bit (Intel)]
##5. Fungsi Menentukan Bilangan Prima
from math import sqrt as sq
def apakahPrima(n):
    n = int(n)
    assert n>=0
    primak = [2,3,5,7,11]
    bukanprima = [0,1,4,6,8,9,10]
                                                                        Type "copyright", "credits" or "license()" for more information.
                                                                         ======= RESTART: C:\Users\USER\Desktop\SoalModull\nomer5.py =======
                                                                        17 adalah bilangan prima
97 adalah bilangan prima
123 bukan bilangan prima
     if n in primak:
     return True
elif n in bukanprima:
           for i in range(2,int(sq(n))+1):
    if (n % i) == 0:
        print(n, "bukan bilangan prima")
                print(n,"adalah bilangan prima")
apakahPrima(17)
apakahPrima(97)
apakahPrima(123)
```

6. Fungsi Cetak Bilangan Prima

```
nomer6.py - C:\Users\USER\Desktop\SoalModul1\nomer6.py (3.6.2)
                                                                                   Python 3.6.2 Shell
                                                                                                                                                                                                      File Edit Shell Debug Options Window Help
File Edit Format Run Options Window Help
                                                                                   739
743
751
##6. Fungsi Cetak Bilangan Prima
for i in range (2,1000):
                                                                                   757
7611
769
7737
809
8311
821
823
859
853
867
859
961
919
929
937
953
967
977
983
991
997
                                                                                            756
760
768
772
786
796
      while i%d!=0:
            if d==(i-1):
            print (i," ",d)
d=d+1
print("Done")
                                                                                            808
810
                                                                                            820
                                                                                            822
826
                                                                                            828
                                                                                            856
                                                                                            880
882
                                                                                            886
                                                                                            918
                                                                                            940
                                                                                            966
970
976
                                                                                            982
990
996
```

## 7. Fungsi Penentu Faktorisasi Prima



#### 8. Fungsi Cetak Huruf Terkandung

```
File Edit Format Run Options Window Help

##8. Fungsi Cetak Huruf yang terkandung

def apakahTerkandung(x,y):
    if x in y:
        print("True")
    else:
        print("False")

x="yo"
y="ne tayo dia bis kecil"

apakahTerkandung(x,y)

File Edit Shell Debug Options Window Help

Fython 3.6.2 (v3.6.2:5fd33b5, Jul 8 2017, 04:14:34) [MSC v.1900 32 bit (Intel)] ^ on win32

Type "copyright", "credits" or "license()" for more information.

>>>

True
>>> |

x="yo"
y="ne tayo dia bis kecil"

apakahTerkandung(x,y)
```

9. Fungsi Cetak Kalimat Kelipatan Tertentu

```
nomer9.py - C:\Users\USER\Desktop\SoalModul1\nomer9.py (3.6.2)
                                                                        Python 3.6.2 Shell
                                                                                                                                                                            П
 File Edit Format Run Options Window Help
                                                                        File Edit Shell Debug Options Window Help
##9. Fungsi Cetak Kalimat pada Kelipatan tertentu
for i in range(1,100):
    if ((1%3)==0) and ((1%5)==0):
        print("python ums")
    elif (1%3) == 0:
                                                                        python
                                                                        UMS
                                                                        python
      print("python")
elif (i%5) == 0:
     print("UMS")
else:
                                                                        python
           print(i)
                                                                        python
                                                                        python ums
                                                                        python
79
                                                                        python
82
                                                                        python
UMS
                                                                        python
                                                                        python ums
91
                                                                        92
                                                                        python
                                                                        94
UMS
```

10. Fungsi Penghitung Determinan Kurang dari Nol

11. Fungsi Penentu Kabisat

```
File Edit Format Run Options Window Help

##11. Fungsi Menentukan Tahun Kabisat

def apakahKabisat(x):
    if (x % 4) == 0:
        if (x % 400) == 0:
        print ("Tahun Kabisat")
    else:
        print ("Bukan Tahun Kabisat")
    else:
        print ("Bukan Tahun Kabisat")
    else:
        print ("Bukan Tahun Kabisat")
    apakahKabisat(2400)
```

### 12. Fungsi Tebak Angka

## 13. Fungsi Katakan Angka

14. Fungsi Input Angka Format Rupiah

```
| Image: Restrict | Image: Res
```