In [5]:

```
def helloPython():
    print('Welcome in Python Language')

helloPython()
helloPython()
```

```
Welcome in Python Language
Welcome in Python Language
```

In [7]:

```
def getTitle(title='S.Kom'):
    return title

def fullNameWithTitle(firstname,lastname):
    title = getTitle()
    print(f"{firstname} {lastname},{title}")

fullNameWithTitle("Mirza","Yusuf")
```

```
Mirza Yusuf,S.Kom
```

In [10]:

```
def getTitleBelakang(title='S.Kom'):
    return title

def getTitleDepan(title='prof'):
    return title

def fullNameWithTitle(firstname,lastname):
    titleDepan = getTitleDepan()
    titleBelakang = getTitleBelakang()
    print(f"{titleDepan}.{firstname} {lastname}.{titleBelakang}")

fullNameWithTitle("Mirza","Yusuf")
```

```
prof.Mirza Yusuf.S.Kom
```

In [16]:

```
def maxValue(val_1, val_2, val_3):
    if val_1 > val_2 and val_1 > val_3:
        return val_1

maxValue(100,10,5)
```

Out[16]:

```
100
```

In [21]:

```
def countCircleArea(diameter,phi=3.14):
    r = diameter/2
    return phi * r * r

def countSquareArea(sisi):
    return sisi * sisi

sisi = 10
diameter = 15
result = countSquareArea(sisi) - countCircleArea(diameter)
print(countSquareArea(sisi))
print(countCircleArea(diameter))
print(result)
```

```
100
176.625
-76.625
```

In [25]:

```
def info(suhu, daerah='Sukabumi', satuan='Celcius'):
    print(f"Suhu sekarang di {daerah} : {suhu} {satuan}")

info(25)
info(100,satuan='fahrenheit')
info(18,'surabaya','fahrenheit')
```

```
Suhu sekarang di Sukabumi : 25 Celcius
Suhu sekarang di Sukabumi : 100 fahrenheit
Suhu sekarang di surabaya : 18 fahrenheit
```

In [29]:

```
def faktorial(bil):
    if bil ==1:
        return 1
    return bil * faktorial(bil-1)

faktorial(4)
```

Out[29]:

```
24
```

In [37]:

```
nilaiTugas = [10,20,30,40,50]

def totalNilai(nTugas):
    total=0
    for i in nTugas:
        total +=i

    return total

totalNilai(nilaiTugas)
```

Out[37]:

```
150
```

In [34]:

```
def sumlist(numbers):
    total=0
    for number in numbers:
        total += number

    return total
numbers = [10,20,30,40,50]
total = sumlist(numbers)
print(total)
```

```
150
```

In [36]:

```
nilaiTugas = [100,80,700,80]

def totalNilai(nTugas):
    total=0
    for i in nTugas:
        total +=i

    return total

def maxValue(nTugas):
    maks =0
    for i in nTugas:
        if i > maks:
            maks = i

    return maks

print(totalNilai(nilaiTugas))
print(maxValue(nilaiTugas))
```

```
960
700
```

In [2]:

```
nilaiProgramming = [
    {
        "nama":"Adi",
        "nilai":90
    },
    {
        "nama":"Rudi",
        "nilai":100
    },
    {
        "nama":"Asep",
        "nilai":20
    },
    {
        "nama":"Farid",
        "nilai":50
    }
]

def maxNilai(nilaiProgramming):
    nilaiTerbesar = 0
    namaTerbesar = ''
    for mahasiswa in nilaiProgramming:
        nilai = mahasiswa.get("nilai")
        nama = mahasiswa.get("nama")

        if nilai > nilaiTerbesar:
            namaTerbesar = nama
            nilaiTerbesar = nilai

        return {
            "nama": namaTerbesar,
            "nilai": nilaiTerbesar
        }

mahasiswa = maxNilai(nilaiProgramming)

print("RANKING 1 Adalah...\n")
print("nama: ", mahasiswa.get("nama"))
print("nilai: ", mahasiswa.get("nilai"))
```

```
RANKING 1 Adalah...

nama:  Adi
nilai:  90
```

In [ ]: