Variables and print function

```
In [1]: amount=1000
        tax1=12.5/100
        tax2=13/100
        total= amount+((amount*(tax1))+(amount*(tax1))*tax2)
        print("Amount including tax is",total)
       Amount including tax is 1141.25
In [2]: idli=60
        dosa=30
        poori=80
        print ("Customer Name :Sai Preyanshi & sai bhavyanshi")
        total =2*idli+2*dosa+2*poori
        print ("idli=60","\ndosa=30","\npoori=80","\nAmount without VAT is",total)
        vat=total*12/100
        servicecharge=total*5/100
        print("servicecharge is", servicecharge, "(Optional)")
        print("vat amount", vat)
        final=print("total bill is ",(total+vat+servicecharge),"\ntotal bill without ser
        finalrounded=print("total bill is(rounded) ",round(total+vat+servicecharge),"\nt
       Customer Name :Sai Preyanshi & sai bhavyanshi
       idli=60
       dosa=30
       poori=80
       Amount without VAT is 340
       servicecharge is 17.0 (Optional)
       vat amount 40.8
       total bill is 397.8
       total bill without service charge is 380.8
       total bill is(rounded) 398
       total bill without service charge is(rounded) 381
```

Type casting

```
In [8]: float(5+3j)
        TypeError
                                                  Traceback (most recent call last)
        Cell In[8], line 1
        ----> 1 float(5+3j)
        TypeError: float() argument must be a string or a real number, not 'complex'
In [9]: str(5+3j)
Out[9]: '(5+3j)'
In [10]: real(5+3j)
        NameError
                                                  Traceback (most recent call last)
        Cell In[10], line 1
        ----> 1 real(5+3j)
        NameError: name 'real' is not defined
In [11]: complex(10,20)
Out[11]: (10+20j)
```

Indexes and slicing

Operators

```
In [33]: a=5
         b=9
         a+b
Out[33]: 14
In [34]: a*b
Out[34]: 45
In [35]: a//b
Out[35]: 0
In [36]: a/b
Out[36]: 0.55555555555556
In [37]: a**b
Out[37]: 1953125
In [45]: a/=2
Out[45]: 0.25
In [42]: a/=2
Out[42]: 0.125
In [44]: a=1
         a/=2
Out[44]: 0.5
In [46]: a>b
Out[46]: False
In [47]: a>b&b>a
Out[47]: False
```