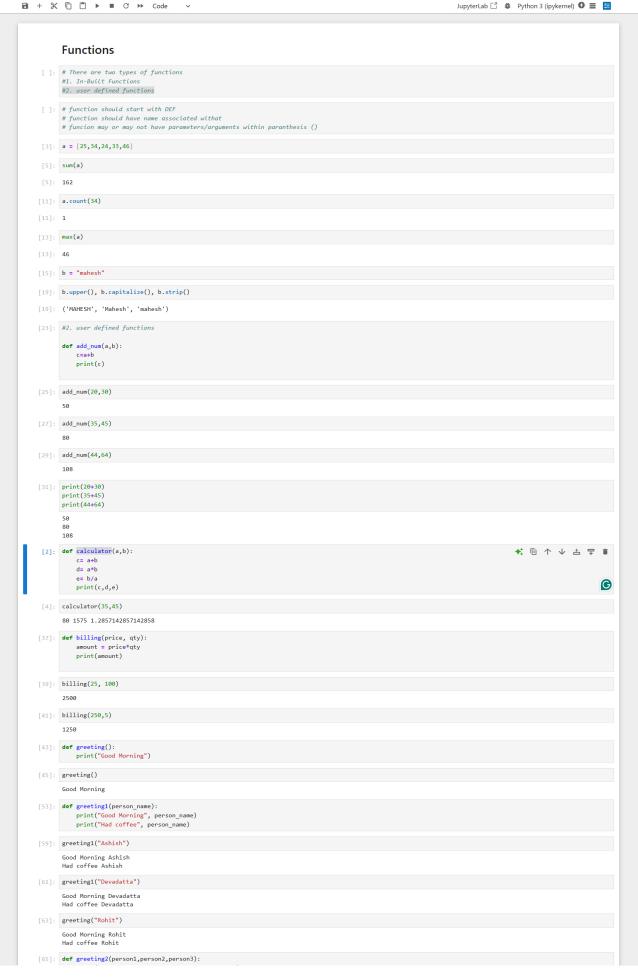
1 + % □ □ **1** • • C • Code



```
print("Good Morning", person1,person2,person3)
print("Had coffee", person1,person2,person3)
 [69]: greeting2("Ashish","Devadataa","Rohit")
        Good Morning Ashish Devadataa Rohit
       Had coffee Ashish Devadataa Rohit
 [83]: # local variable is a variable which is assinged inside the function
        # Global variable is a variable which assinged outside the function
       a=30 # Global variable
b=20 # Global Variable
       def add num(a,b):
         c=a+b # local varible
print(c)
 [87]: a,b
 [87]: (30, 20)
 [89]: # There are four types of function arguments
       #1.positonal arguments
#2.keyword arguments
       #3.default agrugments
       #4.variable length arguments
       #1.positonal arguments
       def billing(price, qty):
           amount = price*qty
       print(amount)
[99]: billing(25,100)
[105]: #2.keyword arguments
       billing(qty=100,price=25)
[111]: #3.default agrugments
       def student_admission(st_name,institue="Imax"):
           print(st_name,institue)
[115]: student_admission("Ravi")
[117]: student_admission("Ramesh")
[119]: student_admission("Rohan","raju academy")
       Rohan raju academy
[137]: #4.variable length arguments:
       def imax_inst(*courses):
           for i in courses:
              print(i)
[139]: imax_inst("python","data analytics","AI","Machine Learning","SAP","Data Engineering","Cloud Computing")
       python
        data analytics
       ΑI
       Machine Learning
       SAP
Data Engineering
       Cloud Computing
[141]: #anaonymus fucntion(lambda function)
[143]: def add_num(a,b):
           c=a+b
         print(c)
[151]: x = lambda a,b:a+b
[153]: x(20,30)
[153]: 50
[155]: y = lambda a,b:a*b
[157]: y(20,30)
[157]: 600
[159]: # LIST Comprahension
[165]: sq = []
       for i in range(1,11):
       sq.append(i*2)
[167]: sq
[167]: [2, 4, 6, 8, 10, 12, 14, 16, 18, 20]
[169]: type(sq)
[169]: list
[173]: sum(sq) , max(sq)
```

```
[173]: (110, 20)

[175]: i=1
    s= [i*2 while i in range(1,11]

[177]: s

[177]: [2, 4, 6, 8, 10, 12, 14, 16, 18, 20]

[179]: type(s)

[179]: list

[181]: sum(s),max(s),len(s),min(s)

[181]: (110, 20, 10, 2)

[]: #Numpy
    #pandas
    #matplotlib, seaborn

[]:
```