```
Kython-tutorial 2
   m = list ("MADHU") (" list is func.)
   output: m > ['M', 'A', 'D', H', U']
    m= list ("MADHU", "JAIN")
    output in -) evroy.
    m= list (["MADHU", "JAIN"])
    autput: m > ['MADHU', JAIN']
   string indexing
    S= 1" MADHU" ( : upper bound is excluded)
    S[0]='M', S[0:3]='MAD', S[3:1:-1]='HDA'
                 ( : by default step-size = +1).
 · Append: (append obj. to she end of list)
   l'append e ('Sudh') ) d = ['sudh')
 l'append ('abc') > 1 = ['sudh', 'abc')
   l. append (['xy3", 1, 2, 9]) -> l = ['sadh', 'abc'
                                 ['xy3',1,2,9]
 · If you wish to append date in blu
 The list as per your choice use,
insert function.
l. insert (+, ['I", "am"])
      index at which you want to insert.
  l = ['sudh', ['I', 'am'], 'abc', ['xy3', 1, 2, 9]
    l[1] = ('I', am')
     l(1)[0]= 'I'. & l(1],[1]= 'am'.
```

```
list ( & [1](1)) = ['a', 'm']
   Addition: (only when we have same donto
   - ll = [2,5,6,7]
    12 = ["MAD", 8]
    l1+12 = [2,5,6,7, 'MAD',8].
   - k = "MAN"
    11+k = erron (11 is list but k is string)
  [ l=["MADHU", "JAIN"]
   - 1[1][::-1] = NIAJ
     l = [7
     l'append ('mad') A ['mad')
     l-append ('jain') ~ ['mad, 'jain']
     l. insert (E), ["Abc", "d"])
            of ['mad', ['Abc', (d')], frem]
[l=[['abc', 'def'], 'efg', 'ijk', ['xy3', uvw']]
  for lind:
       print(i)
       m. append (i[::-1])
   [['def','abc'], gfe', kji', ['uvw', 'xy3']]
```

```
for i in [1,2,3," sudh", ['def', "xy3, "abc"]]:
         if type (i) == list:

for j in i [::-1]:

l'append (j [::-1])
      ['cba', '3yx', 'fed']
  -fou i in "MAD":

Print (i) 

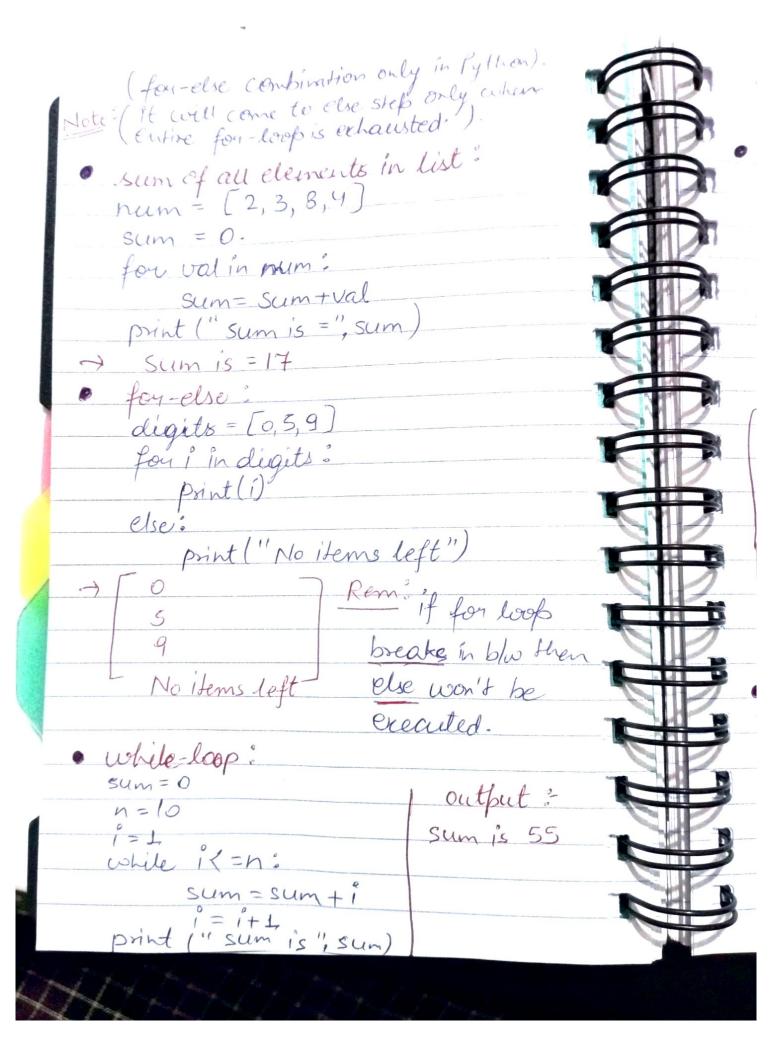
(by default)

(by default)
        print (i, end = 'In on It') A Con Many

by default (no - -)
  fou i in "MAD":
  print (i, end="1) -> (MAD)
k= 'MADHU'
- print (len(k)) = 5 (len=length).
- l = ['abi', 'def', 'ghi']

for i in & Vange (0, 4, 2):

print (l[i]) (: i= index of list)
```



(rangel) function always 9	enercites \ ue tare \
Integer, where in numpy we have excurged) function which generales first	
Range () function: (generator faire) Yange (10) -> range (0,10). List (range (10)) -> [0,1,2,3,7,5,6,7,5,9]	
xange (10) → xange (0,10).	
(Note: cipper bound is always	
excluded.)	
> range (0, 10, 24) gap/jump lower board board	
lower barding	
List (sange (0, len	
L=['MA', 'DH', 'UJ', 'AI', 2,8,9]	
(list (range (0, len (1),2)) (5 [024,6]	
for i in same (0, len(1),2)	
for é in sange (°, len(1),2) (print (l[i])	
J MA	
break and continue:	
* for val in "MADHU":	output:
if val == D:	M
break	A
print (val)	THE END.
else:	
Print (" THE END")	
THE CHE	

for val in continue (continue by skipping)
print (val)

print (val) THE END" output · Input: name = input ('what's your name Input type (int (input)) typecasting -