

Assignment-4

- MOAP to demonstrate list AIM: (a)
 - WAP to demonstrate to tupple (b)
 - WAP using for loop over a sequence (C)
 - 6

and prints a countdouten from that number to o.

output: Output! -Prograu: -

-> emptytist: emptyLis: (a) # Creating a List List = []

print(empty list: ") print, (LList)

['Hello'] # Creating List with String -> 9 List = ['Hello'] Print (List)

R. Hello # List with multiple reales world List = [Hello', borld'] Print (List [0])

print (List[1])

List with multidimensional -> (['Go', Edu'], ['hub']]

Nested list inside list

List [['40', Edu'], [nub']] Print (List)

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[1,2,3,4,5,6,7,8,4] # List with numbers List = [1, 2, 3, 1, 5, 6, 7, 8,9] print (List) [1]= # Slicing start to pre defined point SList = List [:0] print (SList) -> [4,5,6,7,9] # pre-defined to end dList = List[3:4] print (sList) # Start to end -> [1,2,3,4,5,6,7,8,9] SList = List [:] print(SList) # pop function: -> [1,2,3,4,5,6,7,8] List. pop() Print (List) # Mix value > (1,2,'9',b') List = [1,2, a', b'] Print (List) # Slicing in reverse -> ['b', 'a', 2, 1] SList = List (::-1)

Print (SList) TOLERANCE :-

BOL No. : [1,2,3,4,5] # Remove () method: [2,3,4,5] [2,4,5] List = [1,2,3,4,5] print (List) List. Vemore (1) (0) print (List) List . remove (3) print(List) - 23/12/2012 21/02 31/02 -) t1,2,3, Remove using itrator [2,3,4,5] List = [1,2,3,4,5] 12,4,5] for i in List: [2,4] print List. remove [1] print (List) -> # Loop to iterate List=[1,2,3,4,5] for i in List: Lander S is stayed print (List)

```
(b) Program:
                              Outputi-
    empty tuple
                                 ('python', 'tuple')
    t = 1)
    Print (t)
    t = 'python', typle'
    print(t)
                          -> (0,1,2,'a','b')
(0)# contatenation
    t1 = (0,1,2)
    t2 = ('a','b')
    print (t1+t2)
# Mested tuple
                          -> ((0,1,2),('a','b'))
   t1 = (0,1,2)
  tz = ('a', 'b')
   point to = (t, tr)
   print (ts)
   tupple is immutable
#
                               Type Error:
    t1 = (0,1,2)
                               'tuple' object does not
    t1[0] = 4
                               support item assignment
    print (E1)
```

('a', 'a', 'a') repitation ti = ('a') *3 print (t1) (1,2,3) # Slicing $t_1 = (0, 1, 2, 3)$ (3,2,1,0) (2,3) print (t1 [1:1]) print (t1 [1:-1]) print (t1 [2:4]) Name Error: deleting a tuple # name 'typie3' is not ts = (0,1) del +3 defined print (t3) 廿 length of typle t2 = (1,2) print (len (t2)) (onverting list and str to tuple -) (0,2,1) # ('p','y', t, 'h', b',h) List1 = [0,2,1] print (tuple (List1)) print (tuple ('python')) tuple in loop h tup = ('h' !e' !y')

for i in tup: grint (i) Instructor's Sign Page No .: Date :

```
num = int (input L" Enter your number")
unice (num > = 0):
       print (num)
       hum = num -1
Output:
                          [1-28] 100 TAK
Enter your number 10
                         Cres J 180
6
5
```