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List methods Day 59
09-12-23
      append ()
      Syntax:
            list-append (value)
      Eg: A = [10, 20, 36]
           A · append (40)
          · print (A) # [10, 20, 30, 40]
      extend () Syntax: list. extend (list)
             list1 = [10, 20, 30]
             List 2 = [40,50]
             listi. extend (list 2)
             print (Listi) # [10, 20, 30, 40, 50]
```

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Sort()
3)
                   False/
   Syntax: sort (reverse = true, Key = my func)
    Eg: A = [2,3,1,4,7,6,5] ((e-1)) A) TAGE
    - List mattods. ( out upon collect A stock A
    print (A) # [1,2,3,4,5,6,7]
insert () many during both . () bristy
    Syntax: List insert (index, object)
    Eg: A = [1,2,3,5,6] vomor . () Svomor
         A. insert (3,4)
                    clear () - Empfairs
 s) feversel)
    Syntax: list. reverse ()
    Eg: A = [1,2,3,4,5]
        A. reverse ()
                 evené () - reverse me o
       print (A)
    (ount ()
    Syntax: list-count (x)
    F_0: A = [1,3,3,5,6,3,3,7,3]
        print (A. count(3)) # 5
    Len()
    Syntax: len (list)
    Eg: A = [1, 2,3]
     print (len(A))
 8) min()
    Syntax: min (lit)
     A = [1,2,3,0]
     print (mix (A)
```

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max ()
  9.
      Syntax: max (list)
      By: A = [1,2,3,0]
          print (max (A))
      index ()
  10.
      · syntax: List = index (value)
      Eg: A = [1,2,3,4,5]
          print (index (2))
     List Loop (Traversing a list)
   F
       =) Process 60 go through each element of
          a list seguentially
      for loop.
      for ¿Listitem > in ¿List > :
syn!
                statement.
      ·A = [10,20,30,40,50]
      for i in A:
           print (1)
   2. for Lindex > in range (len (list)):
                  Statements.
      Eg: A = (10/20,30,40)
          1 =0
          for in mange (len (A)):
                   print (ACi)
                    a 110,20,30,40,50]
          j = 0
          while j < (len(A)) =
                                  6 = a [3]
```

Print (ACIJ)

```
for i in []:
3.
    print (i)
   A = [10,20,[1,2]]
   len (A) #3
   A[2][0] # [10,20,[1,2]]
   Mutability
#
    -> changed (or) modified.
    -> lists are mutable.
   List membership
     in and not int operator.
   Aliasing.
#
    A = [1,2,3] # A = [1,2,3]
              # B/
    B = A
   print (BISA) # True.
    The association of a variable with an
    object is called a reference.
    Aliasing with mutable objects.
#
        possible / but Fror prome
    Aliasing with immutable objects
#
      - String -> immutable
```

-Not possible.