



```
3) Delete Lean any position of likal dist
         is chock any dinked list as enjoy or not
        2) If given in fiest Maste or not
then drarge the value of hose
                 1005
                              100
                                In we went to delate
                 1005
                                   Jus node was nood
                                  to go to provious nocle
          i) That is 10 resign the some effective of 20 to 10
          def delete_value ("salue):

if (2011. hand = = None):

pent ("Linked List is empty")

eight solver
              rohite (n. ref!= Nane)!
                  if (n. sef. data = = bedue):
                  else!
n = n.eef
            plint (" Linked list don't have that Nede)
                n. 28 = n. 28. 19
```

ref delete-value (value): if (self. hood = = Mone):
Yient (" Linkal Mst is emply") chack useather the Winked Wat is a anty if (soff. head data = = value): y first nade is traye reache self. hard = self. hard. 20% dun was nood do Estues n = a. soff. had uj any rodo rushile (n.eg) ! = None): us liked that Uf (n. egf. data = = Nalue)! other than fliest node we will n = n.29 teavell Ill if (n. egf = = Neone):
print (" Node is
else; its previous 'Made is not proport in the Ulkal list") node and sharp are equerce n. eg =

Linked With every operation

Jewe

1) Ilweessal

i] Bogin ij] End

iii Between Deletion

i] Begin ii) End iii] Between

```
Class vidade:
      def -- unit- (2df, data):
          self data = data
          solf. eof = More
Class Linked List:
     def -- unit_ (self):
         self. had = More
    def pant_LL(sof):
          if (self hard = = Mone):
         else ! Pent ("Linked List is empty")
           volule (self. hood.

n = self. hood.

richile Leef.
            rightle (n. ref! = More):
                  print ( $1. data, ond = " --> ")
               else
                  pent (n.data)
   dof add-beyin (self, date)!
         new_node = Node (duta)
         if (self-hood = = Nove):
            2019. hoad = new-node
        else:
           new-node.eg = self-head
          self. hard = new_node
  def add-end (solf, duta):
       new-node = Noche (duta)
      if (solf hoad = = None):
          say. had = new_node
     else!
         n = self-head
       while (n. 20 ! = More):
            n = n \cdot 22f
```

n. eff = now_node

```
def add_boloce (soff, datu, x);
        if (self head == Neone):
           prest ("Made is not present in Linkad diet")
      if (self. hood data = = x):
           new_node = Node (ditte)
          now_nade. eg = self-hard
          self. hard = now-node
     n = A solf-head
     rahile (n. 80) / = None):
       uf (n.eg.data = = x):
           n = n.29
    of (n. eg == Nove)!
   else:
      new_nade = Node (duta)
      new_node. ref = n. ref
     n. 2g = new_node
def add-after (Self, duta, 2):
    if (self. head = = None):
yeint ("Node is not present in Linked List")
   else:
      n = solf-head
     vehile (n. sef (= Marae)!
         of (n. date = = 2):
         bleck !
            n = n-eef
    if (n. 28 = = None):
       prent ("Node is not present in Linked MH")
    else.
       now_node = Node (duto)
       new_node.sq = n.lef
       n.lef = new node
```

```
remove _ hood (2011):
            uf (sof had = = More):
               print ("Linked List is emply")
           else!
             Self. head = Self dread . Ever
         eamove_and(self):
          uf ( solf-heard = = None):
             yout ("Linked List is empty")
         elif (self. hard . rof = = More):
            solf head = = Mare
            n = 10. Self hard
           while (n. eg. eg! = Nove):
         n. 29 = None
  def semone_value (resself, value):
          plint l'islande is net present in Linked list")
       if (self-head = = More) !
     if (solf. head. data = = value):
        self. need. = self-head. ref
        estues
    n = Self-head
    wetite (n. sep != None);
  while (nog != Nove)!
      if (n. eg. dety == Veluce):
          n=n.84
if (n. ef == Nove)!
   pint ("Node in not present in Linked list")
  n. eg = n, eg . lg
```