A diet is a requence of nature of any type The value in list are colled elements or items They are mulater and accered using indes with 'O' being the first indes. It may contains diplicate natures.

L'ist Irainering

It is a process of walking through every elent ga tut.

7 0 - 5.1-

eg: lirteg .[1,2,3] for i is tuteg. print (;)

>> 123 Let Slicing

It builds new lists out of an enisting lists me elice functions retions a slice object. It con be specified by ronge (stort, stop, stop) stop specifis the end point start starting point " step" is let , by default-

```
eg: pruit (listeg[2:])
    >> [23]
Pop ():
Pop() is used when we know the index of the
 elemt we roard to delete
eg: t=['a', 'b', c']
   t . pop (1)
  print (t)
   >1 " ['a', 'c'] (Jean) ling
        03, 52, 04, 05, 05, 01) 4
 dette () is used when we do not know the
inders of the elent we want to delete.
 Multiply elembs con be delited
eg: t: ['a', 'b', 'c', 1b']
   E. remore ('b')
```

prut(t)
>> [a', b'c']

3) L'est operations:

i) Concatination

+ operator returns a new test with the elents of the opened merged to this end

eg: my list [10, 20,30] mylist 2 [40,50,60] men newla mylist + mylist 2 print (newl)

>> [10, 20, 30, 40,50,60]

ii) Repetión * operator repeats specified mules of times and return a new list:

eg: mylist = [10,20] my = mylet * 2 prut (my) >> [10, 20, 10, 20] <>

List methods :

i) append ()

It adds on elent at the end of the

synton

paglist oppend (elem)

mylist = [10,20] () tilge. Id = Id. mylut append (30) point (mylist)

>> [10, 20, 30] Ind ai more for

i) insert ()

Adds an elent at the specified positions

CHANGE & MOUSE

16 rum 16 x = = 0:

eynton

let . meent (pas, elen).

eg mylint=[10,20,30]

myliet einert (2, 15)

point (mylist);

>> [10,20,15]

y

file 2 = open(" out

yl file = open (" FROM. tnt", ">1")

yili 2 = open (" NOWEL TEX T. Int", "w")

nowels = ('a', e', i', o, u', 'A', E', I', o, u').

Lins = fils 1. readlins ()

for line in Liny:

if die storts with (nowels);

fils 2. write line (line)