Q Ans. PGM:def Sub-list (1): list = [[] -For i in range clen (1) +1); -For j'in range (i): list. append (ILI:iI) return list glasson of the 60 1 = [1, 2, 3] phon - thoo) to Print (\_Sub-lists(11)) Output: 127 - 01 - opnor - tous ) there

[[], [], [2], [1, 2], [3], [2,3], [1,2,3]] Count range in 1903 (19, min, mas)

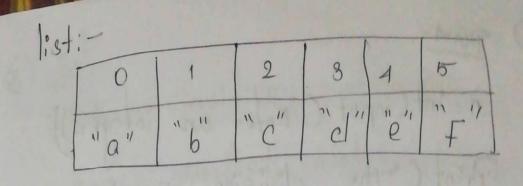
PGIM! def Count\_range\_in-list(1:, min, Max). Ctr = 0 Forx in li: if min L= x L= Max: c++ =1 return ctr 1°8+1=[10,20,30,40,40,70,80,99] Print CCount - range -in - list Clist 1,40 list 2 = ['a','b', 'c','d', 'e', 'f'] Print (Count-range-in-list Cliste,

(a',e')

0/P:-

Count-range in-list (1°, min, max)

list :-	0	1	2	3	4	5	1	-1 8
	10	20	30	40	40	10		1
						40	70	80 90



Ans:

clef Order (1st):

Assencting = descending = True.

For i in range (len (1st)-1):

"F 18+ [i] > 18+ [i+i]:

aggending = Fialse

elif 18+ Ii] / 18+ Ii+]:

clescending = False retorn = (assending or descending)

OIP'-

Order ([1,2,3,4])

True

Order ([1, 2, 3, 2])

False.

Order [[3,2,1,0]]

True.

Order ([3 9 1 4]) -> Folge

9 9GMn=int Cinpot ("Enter an integer:") Print C'the division of the number are: ") For 19 9n range (1, n+1): if (n% ==0); print (i) Olp: Enter an integer: 25 The division of the

nomber are:

25

input a spositive number: 1000 bis a sperfect number. 6 = 3 + 2 + 128 is a gertect number. 28= 14+7+ 1+2+1 496 is a sperfect nomber: 496=248+ 124+ 62+ 31+ 16+8+4+2+1 8128 is perfect number: 8128 = 4064 + 2038+1016+508+ 254+ 127+69+ 32+16+8+4+2+1 Inpot a positive number:6 6=3=3+2+1 Input a positive no:-10 Error! Number must be positive.

List:clef multiply list (mylist); resolt =1 For x in mylist: result = regult \* x return result # Driver Code: 1:5+ 1 = [1,2,3] 195+ 2= [3,2,4] Oprint (multiply 1° st (listi) Print (multiplylist (list2))

\$ 301:-# Main list:-

a=[10, 20, 30, 20, 10, 50, 60, 40, 80, 50, 40].

Ans:-

# empty temporary 19st

temp []

It removing duplicates list.

for elements in a:

PF Celement not in temp):

temp. append Celement)

# Assiging a temporary list.

a= temp print l'unique list: ", a)

```
Drigue List:-
[10, 20, 30, 40, 50, 60, 80]
(8) Two list: -
 301:
     def Common-Memter (a, b):
    a - set = Set(a)
   b- Set = Set (b)
   if (a_set & b_set):
   Grint Ca-set & b-set):
  e/8e:
      print ("No Common & ements")
  a= [5, 15, 38, 8, 98]
  b=[10,5,15,38,8,98]
 Common_ memter (a,b)
  a-[5, 15, 38, 8, 987
  b=[5, 15, 38, 8, 987
```

Output: 2103 No Common Elements.

(d 15) co

(4)

+ 32 .

do

2 +05