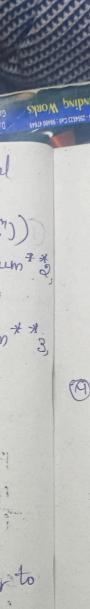
Level-1-programs (1) ( hums = [] min ) teger ) too) - mod Point ("triter - 1 to exit, enter the numbers : ") while true: nums.append(n) and itaga? Pos = [x for x in nums if x > 0] neg= [x for x con nums it x < 0] print l'avgrositive number is" 0/3 um (pos) // len (pos)) if neg:
print ("avg begative number sum (neg) (/ dendings) ) toi = 200% avg negative number is -5001. avg positive number is 8 chter the character labe parated: + number of scussis

39 nove and aube of a Decimal num = float (input ("(given number?)) Print ("square number:", round (num + 2) Print ("cube number", ", round (num \* 3. Input: 0.6 (a)briggerianne square intumber: 0-36 Cube number vi o alb of B'character tstangle pattern " char = input ("Enter the character to be printe d'april prom to Yours = int (input (input (in Number of rous: for & 10 range (1, rows +1): 1-10 Brint (Char + " ") \* P) Enter the character to be pointed: + Number of rows: 5



square and aube of a Decimal num = float (input ("given number?")) Print ("square number: ", vound (num + 3) Print ("cube number", round Crum \* 3 3)) Input: 0.6 (a)briggiocamin square interiber: 0:36 00 X 1 2001 cube number of albert x7 - poor 1 character 4 stangle pattern ti char = input ("Enter the character to rows = int (input (input (input of rows: for & in rouge (1, rows +1); 100 Input: Enter the character to be pointed: + number of rows: 5

out put 9 Multiplication table A = Port (Input ("A = ")) B = "nt ("nput ("B = ")) for i in range (1, B+1): print (f" & Ayx & iy = & A \* : y") Input: out put: 7 + 4 = 28

6 check if a year is a leap year year = 2000 if (year olo4 = = 0 and year ol-100! = 0) 0x (year 0/0 400 == 0); Print ("Leap Year") +. e18e Print ("Not a leap year ") output: coit wildiplice deplicate elements in an array duplicates = [] for i it arr. count (i) > 1 and i not in duplicates: duplicates append (i) Print (" Duplicate array = ", duplicates) cut put: output Duplicate array = [1] : " x

if a number is positive or negative num = 23 print ("positive") elifnum <0: print ("Negative") else: point ("zero") output: positive. arr = [1, 8, 3, 4,0] (4) arr. sort ( reverse = True) print ("Output:", arr) output: [8,4,3,1,6] (0) a= \$2,3,4,53 6= \$3,4,8,63 intersection = list (a 66) Print ("output:", intersection) butput: [3,4]

Import statistics data = [12, 45, 83, 52, 4] mean = statistics. mean (data) median = statistics. median (data) mode-list = statistics multimode (data) mode = mode \_ l'st[0] average = (mean + median + mode)/ Print ("mean: ", mean) print ("median : ", median) point ( "mode: ", mode) print ( 'Average of mean, median and mode: ", average) Botput.

Mean: 39:2 Median: 45 Mode: 12.

Average of mean, me dian and modes 32.06666666666667