n = int(input ("Input a numer:")) Sum = num = (n\*(n+1))/2 Oprint ("Sum of the First", n, " positive integen: ", sum\_num) oll: Input a num ler: -2 \_Sum of the first 2 positive Integer: - 3.0 21 301: num! = intil'Enter first number:")) num2 = int (inpot ("Enter Second num Ter:")) Oprint ("Enter which operation would you like to perform? ch-input ("Enter any of these char for specific operation +, -, +, 1,:") result. = 0 if ch = = '+' result = numit num 2 elsf.ch == '\_\_ 1. result = num 1 - num 2 elif ch = = 1 \* 1: result = num1 x num2 alif ch == 1/1; result = numi / num 2 0130 Print ("inpot character is not recognited!") Sprint (numi, ch, nume,":" result).

Circle: -Radius = 11 r 8. Area of circle. Ex pGIM!-From math import pi r = Float Cinput C" Input the raction of the Circle: ") Oprint ("The Grea of the Circle with ractives "+ str (n) + "is:"+ Str (pi\* x \* 2) Input the radius Circle: 1.1 The area of the Circle radius 1.1 is: 3.8013271.

Height of trangle: h Cheight) Area A = 1/2 x base x height A = 1/2 x bxh. b= int (input ("Input the base:")) h= int (input ("Input the height:")) [ area = b\* b12] Print ("Orea =" Grea) Impot the base: 20 Input the height: 40 area :- 400:0

Temperatore: 6 301 temp = input ("Input the temperature you like Convert?) ex:-45F, 102C ... etc):") degree = int (tempo [:-1]) o \_ Convertion = temp [-1] if i- Convertion. upper() = = "c": result = int (round((q\* alegree) /5+32)) O-Convertion = "Fahrenheit" elsf ?- Convertion opper ()=="f"; result = int Cround (clegroe - 32) \* .5(9)) 0- Convertion = "Celsium" e 8e: print (" Input proper Convertion!)

901+() Print ("The temperature in", o. Convertion
is", result, "degrees.") The temperature por Celsius is 10 degrees. Digits: Sol: num = int Cinput C"Enter a Number: regult = 0 hold = num While num > 0: rem = num / 10 ... result = result + rem.

num int Chum/10) sprint C"Som of all digits of; hold, "33: " result) Enter 0 Number: -5257 Sum of all eligits of 5254 95:-19 Sol:
Min & Max Min ([8, 5, 9, 1, -5]) C Most recent Call last) Min() arg is an Empty sequence.

Max([3,5, 9,1,-5)] Max ([]) C most recent Call) MaxC) arg is an Empty Sequence Min ([3, 5.0, 9, 1.0, -6]) Min ([3, 5.0, 9, 1.0, -5]) Days, hours, Minutes: 301: Define the Constant: SECONDS - PER- MINUTE = 60 SECONDS-PER- HOUR = 3600 = 864000 S ECONDS-PER- DAY

# CReady the input from user: days = int (input ('Enter number of Days:")) hours = int Cinput ("Enter no of hours:")) Menotes = int Cirput C'Enter no. of minutes: ") Seconds = int Cinput C'Enter 120.0 f Seconds:")) It Calcolates clays, hours, privites &
Seconds:--total-Seconds = days \* Seconds - per- Day -total-Seconds = total-Seconds + Chours\* seconds - pen - hours)

total - Seconds = total - Seconds - pen - Minute)

Cominites \* Seconds - pen - Minute)

total - Seconds = total - Seconds + Seconds. Print ("total number of Seconds:" 1./.cl 11. /. Ctotal - Second 8) (CP \* naction \* 2) \* 2)

Enter no of clays: - 5 Enter no of hours: - 36 Enter no of printer; - 24 Enter no of Seconds: 15 - total number of Seconds: 563055 @ soli Cylinder Circle: (Pi+ 20/7 height = floot Cinput C'Height of Cylinder: 1)) radian = float Cinpot C' Radian of Cylinder: 1) [ volume = Pi \* raclian \* height.] Son-area = ((2\*pi\* radian)\* height + ((Pit maclian \* \* 2) \* 2)

print ("Volume is: ", Volume) Mant ("Surface Area is:", Sur area) Height of Cillincles: 1 Radius of Cylinder : 6. Nolome %: 452. 57142857.... Surface Area is: 577.142857... List PbM! (D) Sol: largest = None. Smallest = None. While True: num = ram\_input ("Enter a numler;") of num = = ' clone '; breo Kj

n = int (num) largest = num if largest < num or largest == None else 1 Smallest = num of Smallest > num of Smallest == None else. expect: Print ( Invaid input) Oprint ("Maximum number 18" largest) Marinum num les 18", Smallest) Tovai of Enpot Maximum is: 10 Minimum is 2.

2) Solitolef Main (): 1:8+ of numbers = [] # We use this boolean to inclicate that we are not clone = False. While not clone: number = int Cinpot Enter a number. Exit With O: ") if nomber! = 0: list of numbers. append (number) else: done = True. Sorted liet = sorted Cliet of numbers, key = int, reverse=True) Arint Csonteel list)

H = name = = 1 Mair - ': Main () (3) goli de anologi e inte agen old in arrej A Count number of # lines in the file. for word in read: if word = = | | n !: Oprint C'Number of lines in bile 1:3, " for i in range (line) # readlinec sethods, of reads One line at # a -lime. Carr. appent (clf. read line ())

Number of the L'Hello, I am nomeflo, num - Hoot Caput C" Enter a nonler : ")) : F nom > = 0: if num = = 0: Oprind ("I doro") Mint ("Positive number") Print ("Negative numler") Enter a number: 2 Positive number

Count = 0. Sum = 0.0 While number ! = 0: number = int (input ("")) Sum = Sum + number if Count = = 0: Print ("Input Some numbers") 0 30: Print C'Average and Sum of

the alove numbers are: ", Sum / (count-1), Sum) Input Some integers to Calculates their Im-

and Sum of the above Gre: 14.333 .... numlers ( Sol: import random lottery Numbers=[] For i in range (0,6): number = random randint (1,50)
While Number in lottery Number 3: Number = random. randint (1,50) fottery Numbers. append (Number) lottory Numbers. Sort () Chaint (">>> today's lottory numlers are: ")

Mint Clottery Numbers) Today's lottery Numbers are: [12, 17, 19, 21, 22, 32] mobaba 1 Jesters I 900 9000 (0,6): 1 happy noming - sound on sound (1, 50) de e reglade prophological reglands while