1)

Algorithm

step 1: start

step 2: declare variables day 1, day 2, day 6, res

step 3: Analyse the values how they increase

the respective day ounces is increasing by its square

step 4: 6 ** 2 ounces will be there on day 6

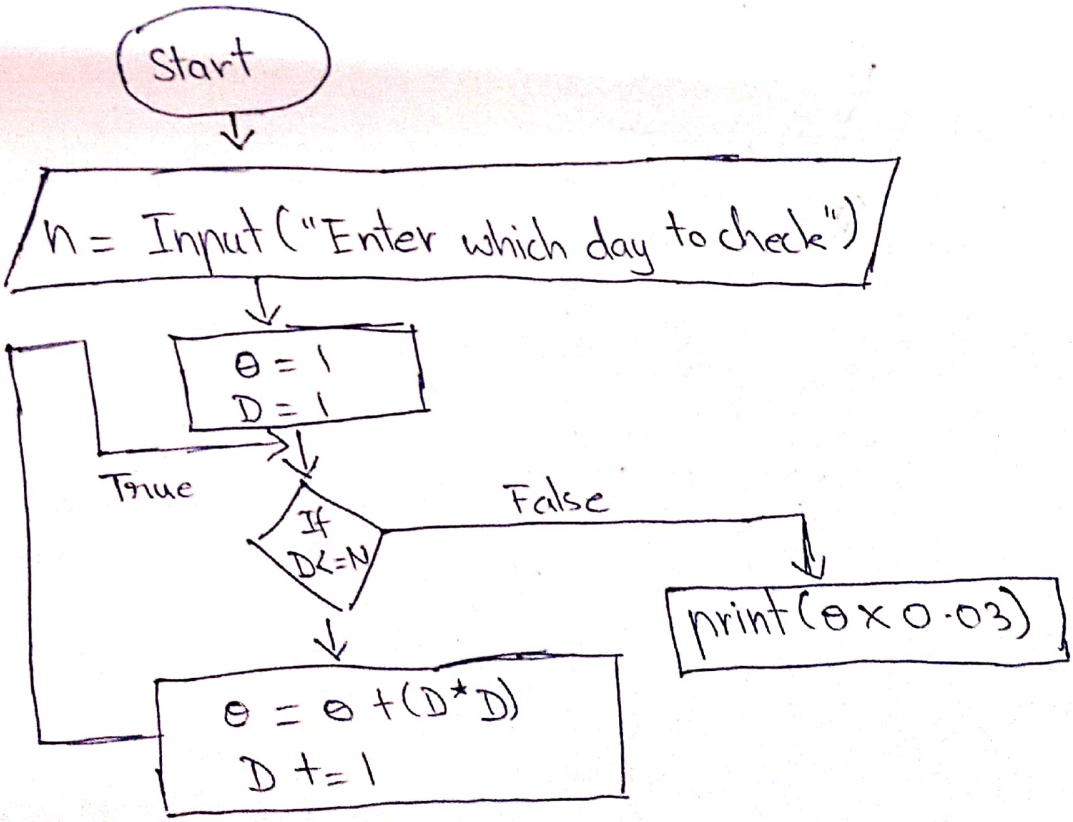
step 5: Convert ounce into litres

1 ounce = 0.03 litres

step 6: display res (∵ res = 36 * 0.03)

step 7: end.

Flow Chart



2)

step 1 : start

step 2 : penCost, chocolateCost → declare variables

step 3 : read penCost, ChocolateCost

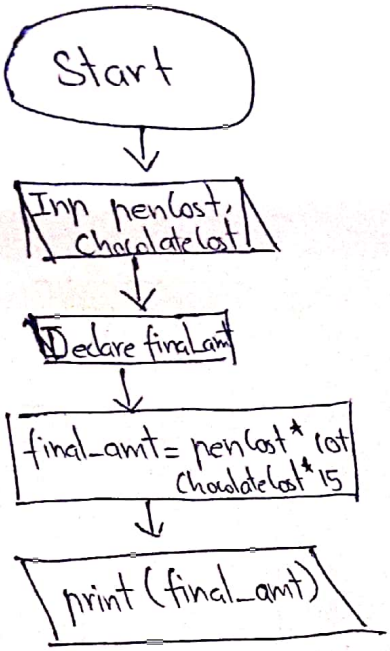
step 4 : declare final_amt variable

final_amt = penCost * 10 + ChocolatCost * 5

step 5 : print final_amt

step 6 : stop.

Flowchart



3)

Algorithm :-

step 1 :- start

step 2 :- Assume that krishna brings 10 gallons of milk

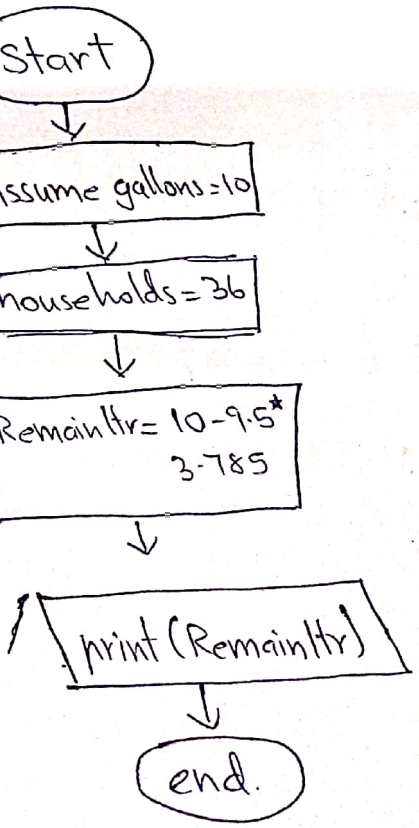
step 3 :- GallonUsed = 9.5

step 4 :- RemainingLitres = (10 - 9.5) * 3.785

step 5 :- display RemainingLitres

step 6 :- end.

Flowchart :-



4)

Algorithm :-

Step 1 :- Start

Step 2 :- get input num1, num2

Step 3 :- Compute

num1 = num1 * num2

num2 = num1 // num2

num1 = num1 // num2

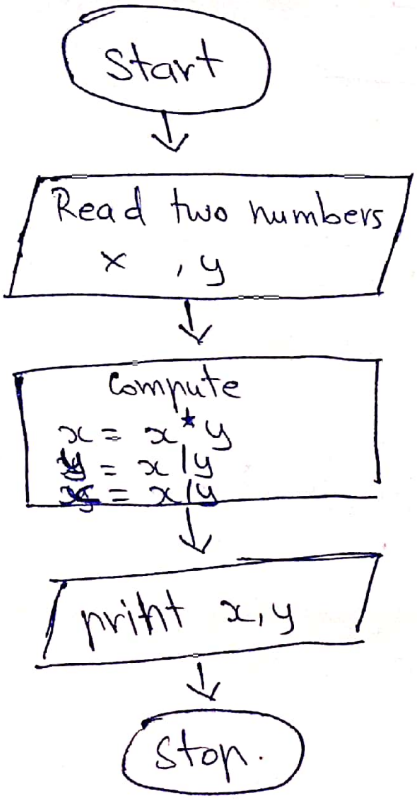
Step 4 :-

display num1, num2

Step 5 :-

end

Flowchart



5)

Algorithm :-

step 1 : start

step 2 : get input temp

step 3 : If (temp < 0)

display freezing weather

Else If (temp > 0 && temp < 10)

display very cold weather

Else If (temp > 10 && temp < 20)

display Normal in Temp

Else If (temp > 20 && temp < 30)

display It's hot

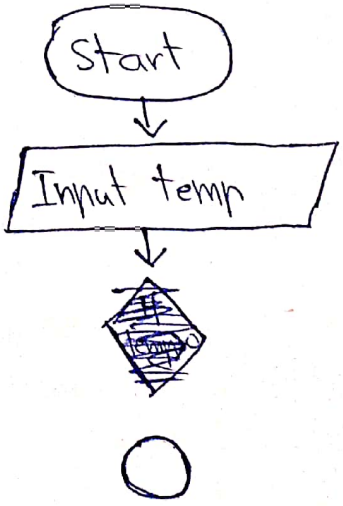
Else If (temp >= 40)

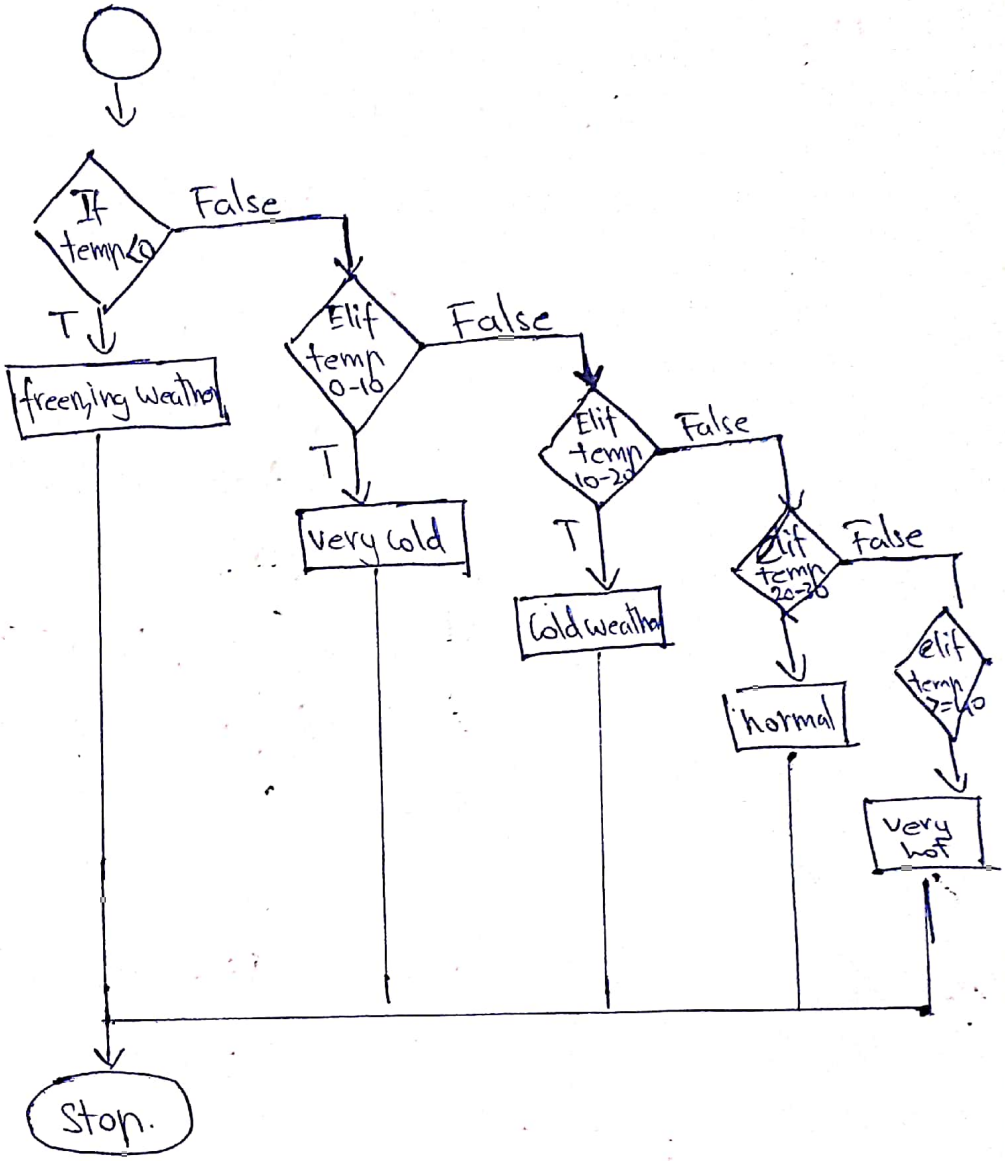
display Its very hot

step 4 :

stop

Flow Chart :-





6)

Algorithm

step 1:- start

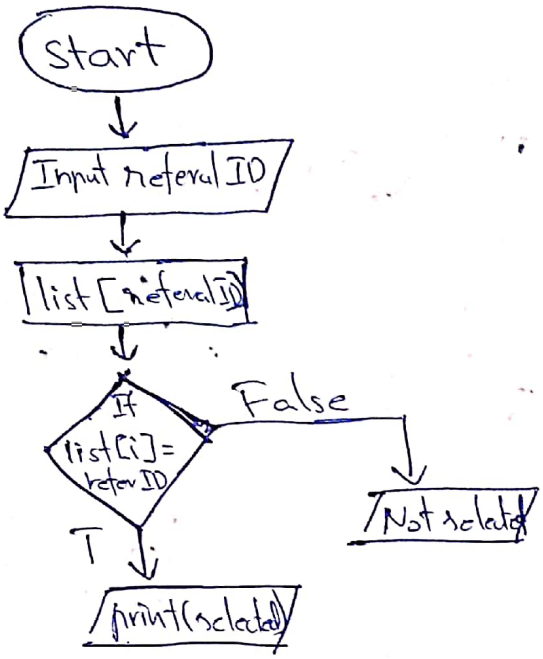
step 2:- get input from the used, referal id_used

step 3:- for i in range(referal id)
if i == referal id_user
print selected

step 4:- else
print not selected

step 5:- end.

Flowchart



7) Algorithm:

step 1: start

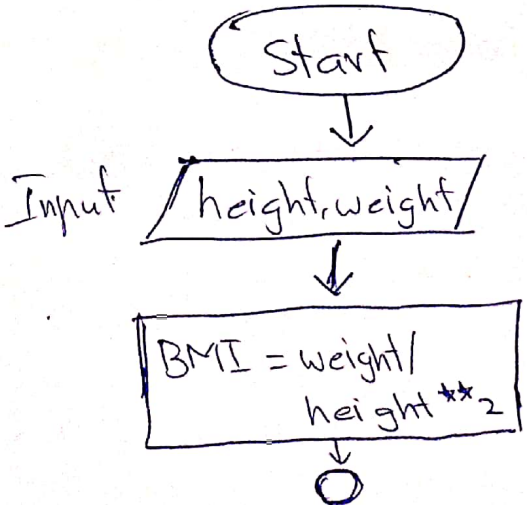
step 2: ~~Calculate~~ ~~BMI~~ get input: height, weight

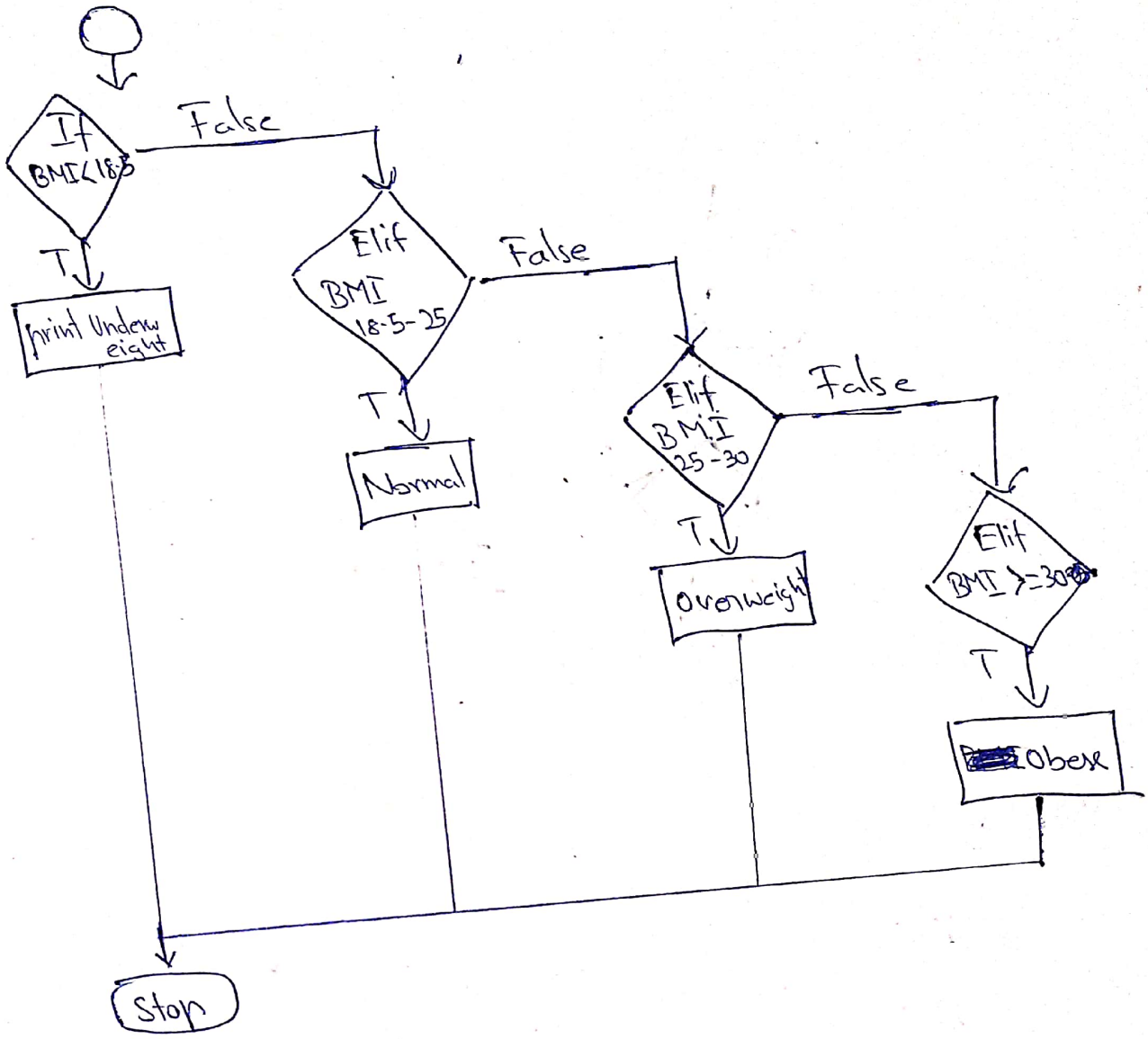
step 3: declare Variable BMI

step 4: BMI = Weight / (height ** 2)

step 5: Check BMI and display respective message

Flowchart:





8)

Algorithm

step 1: start

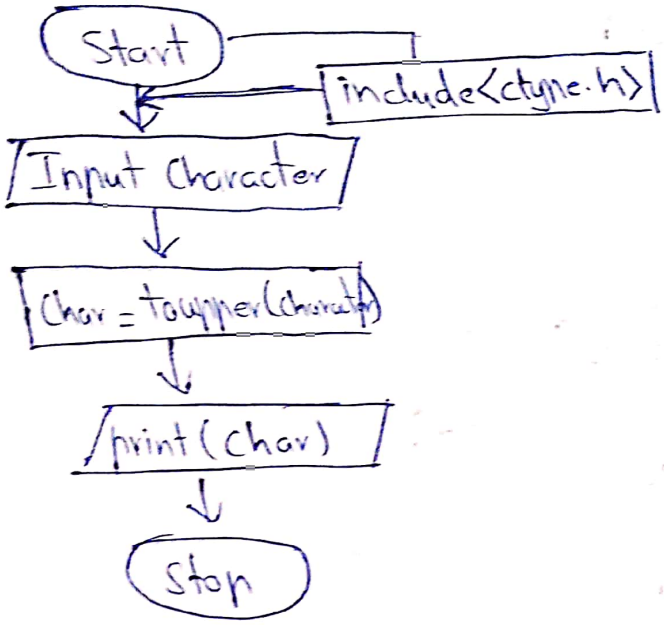
step 2: include ctype.h library

step 3: get input from user

step 4:- Convert it into upper case by toupper() function

step 5:- end.

Flowchart



10)

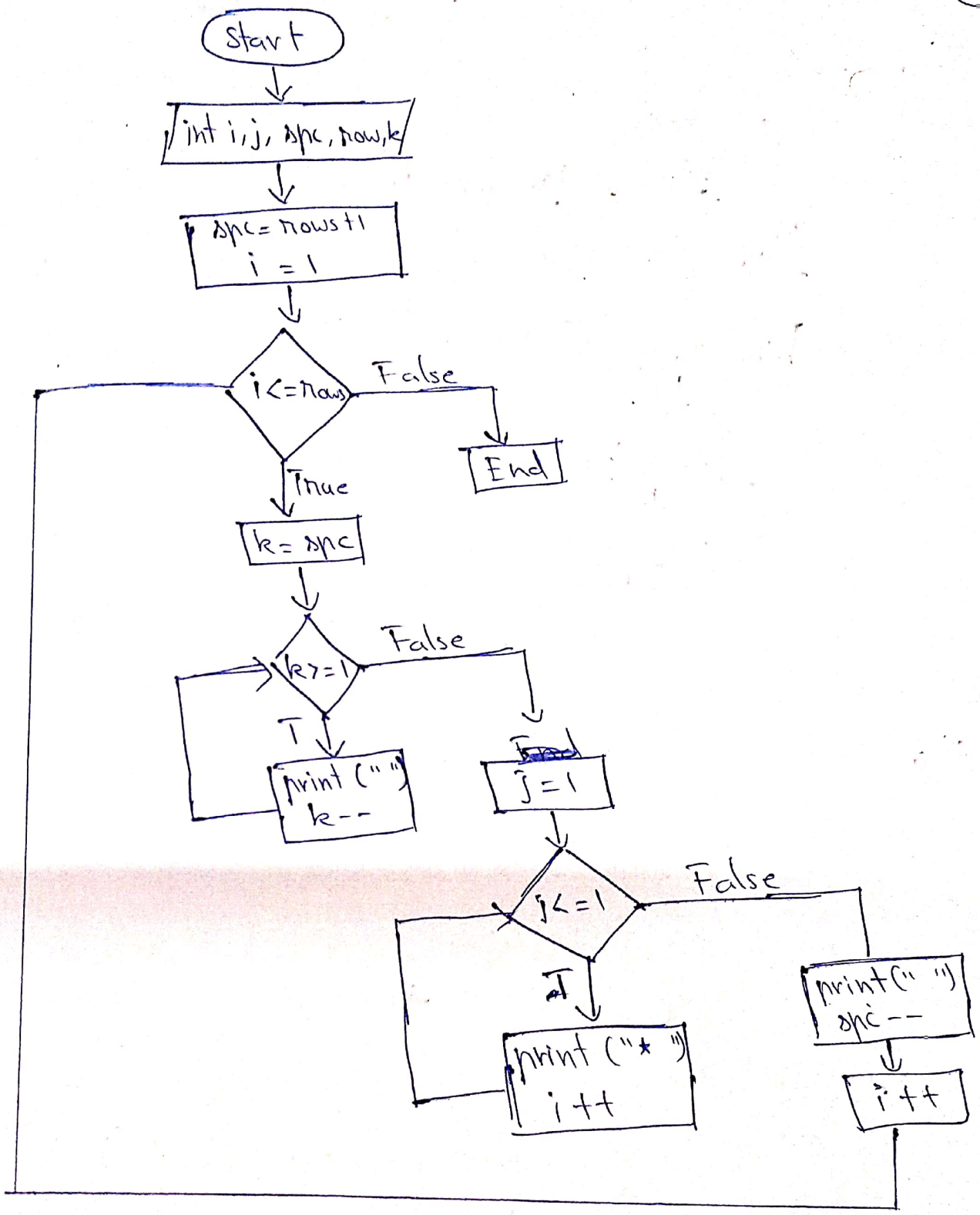
Algorithm

step 1 :- start

step 2 :- get input, declare variables
i, j, spc, rows, k ;

step 3 :- spc = rows + 4-1

step 4 :- for (i = 1 ; i <= rows ; i++)
for (k = spc ; k >= 1 ; k--)
print ( )
for (j = 1 ; j <= 1 ; j++)
print ("* ")
↔ print ( )
spc--


Start
int i, j, spc, row, k
spc = rows + 1
i = 1
i <= rows
False
End
True
k = spc
k >= 1
False
T
print (" ")
k--
j = 1
j <= i
False
T
print ("* ")
i++
print (" ")
spc--
i++