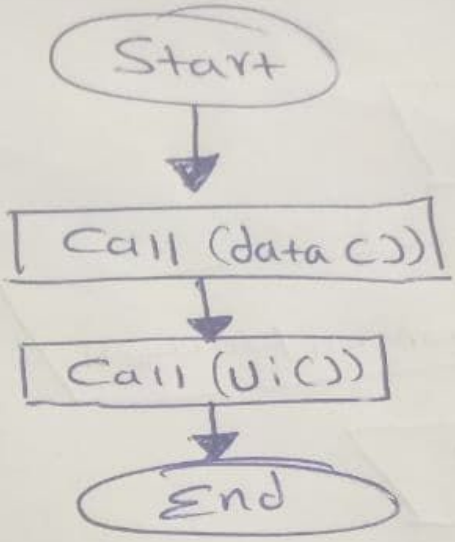
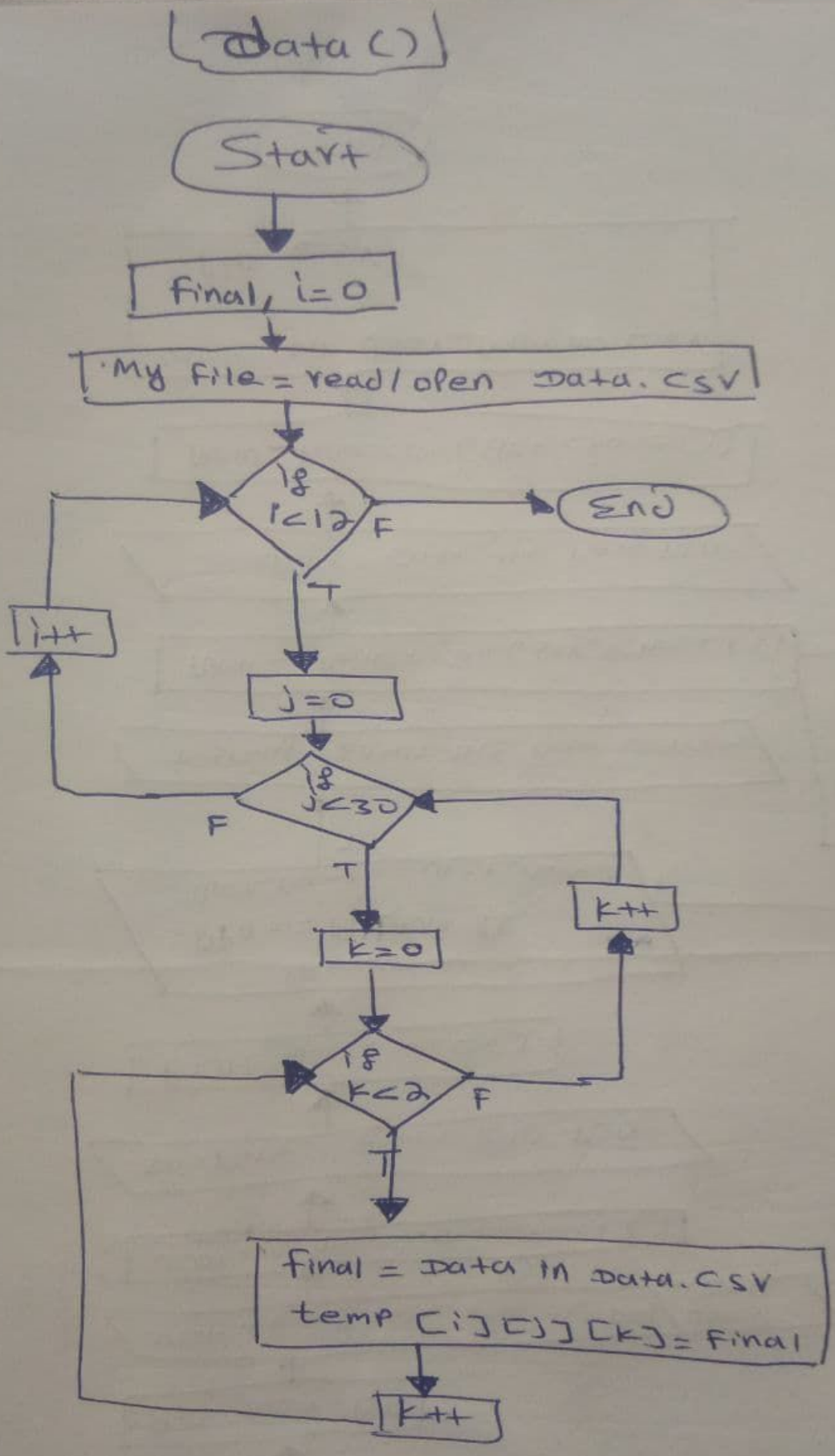
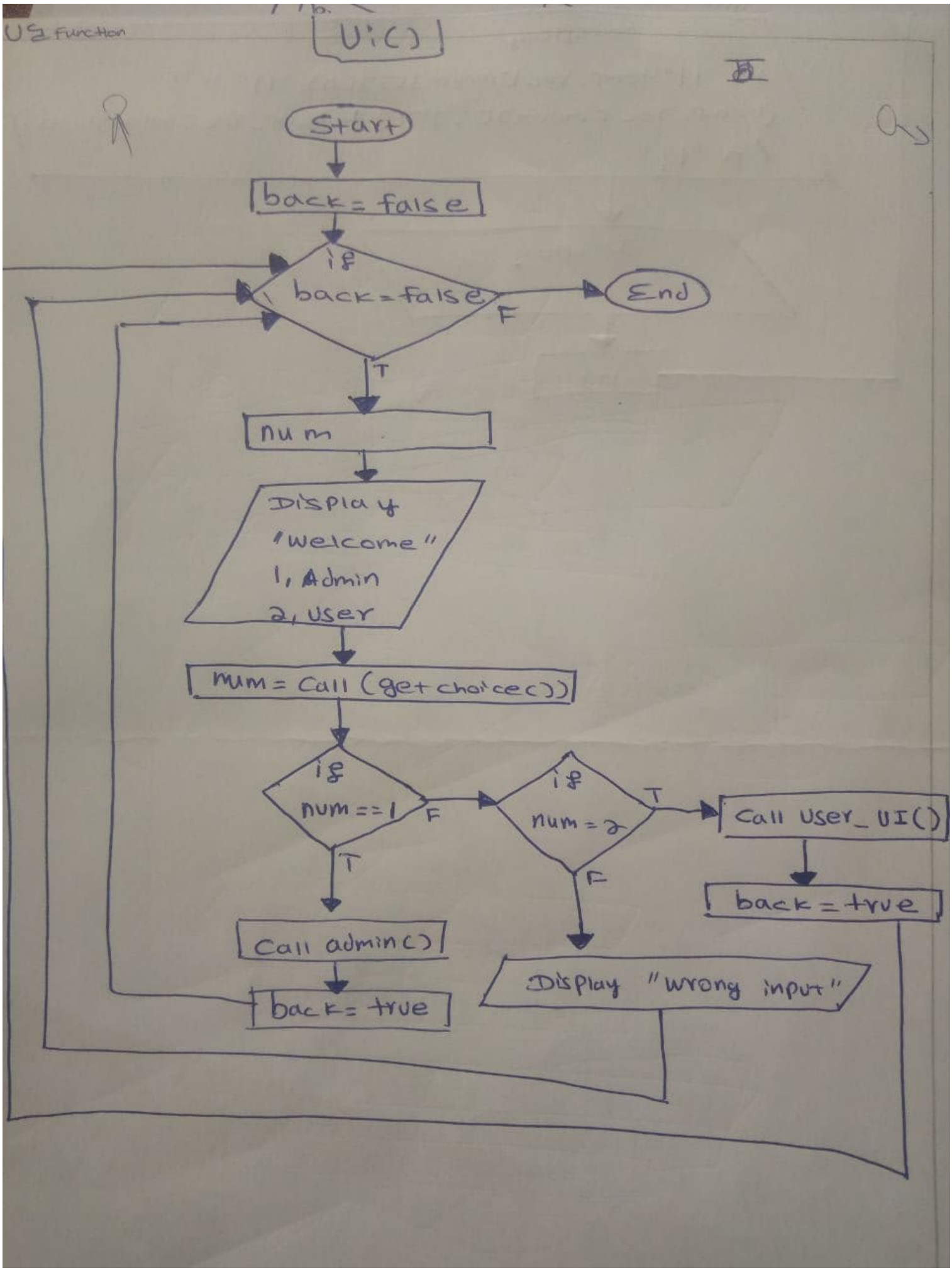
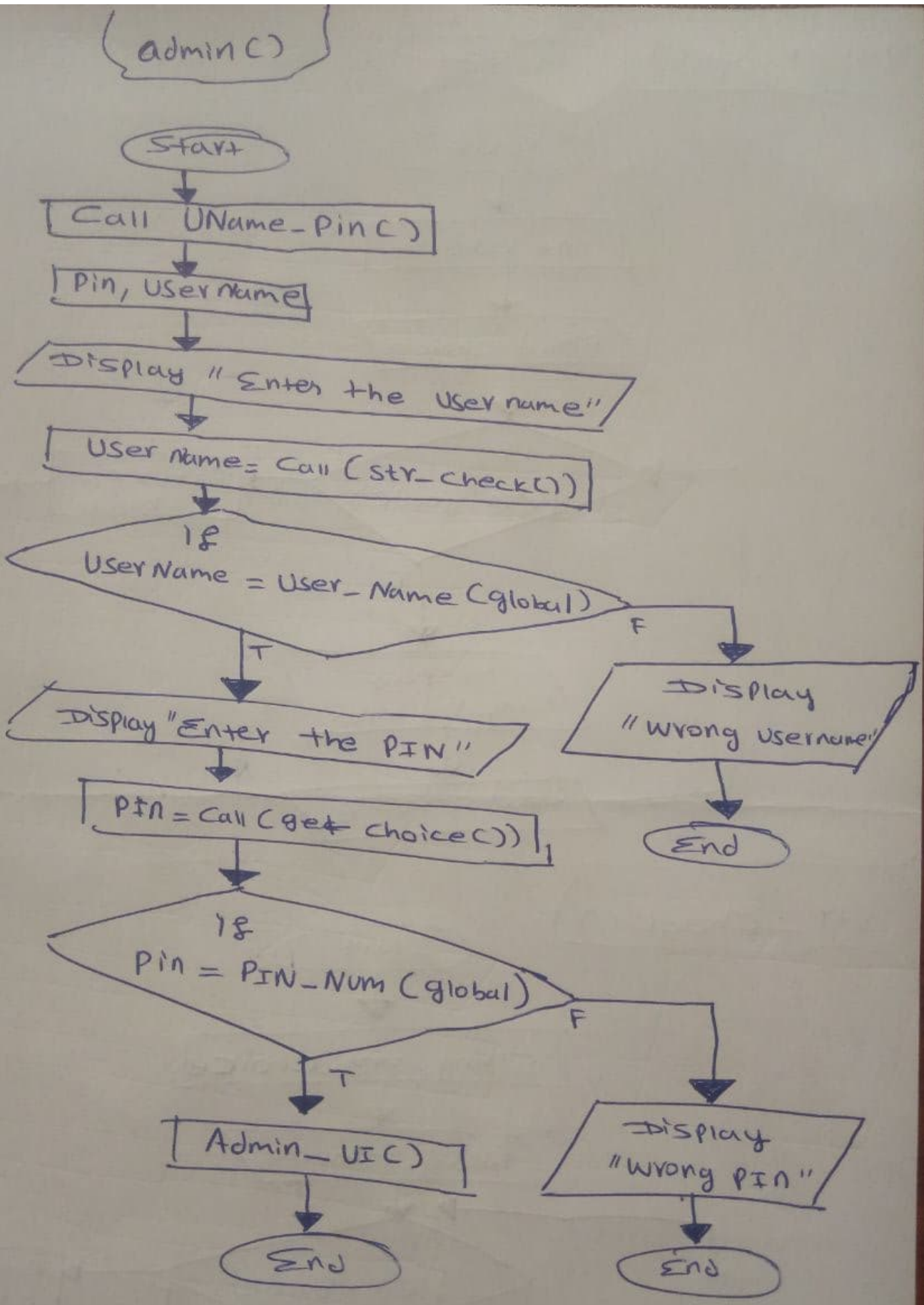
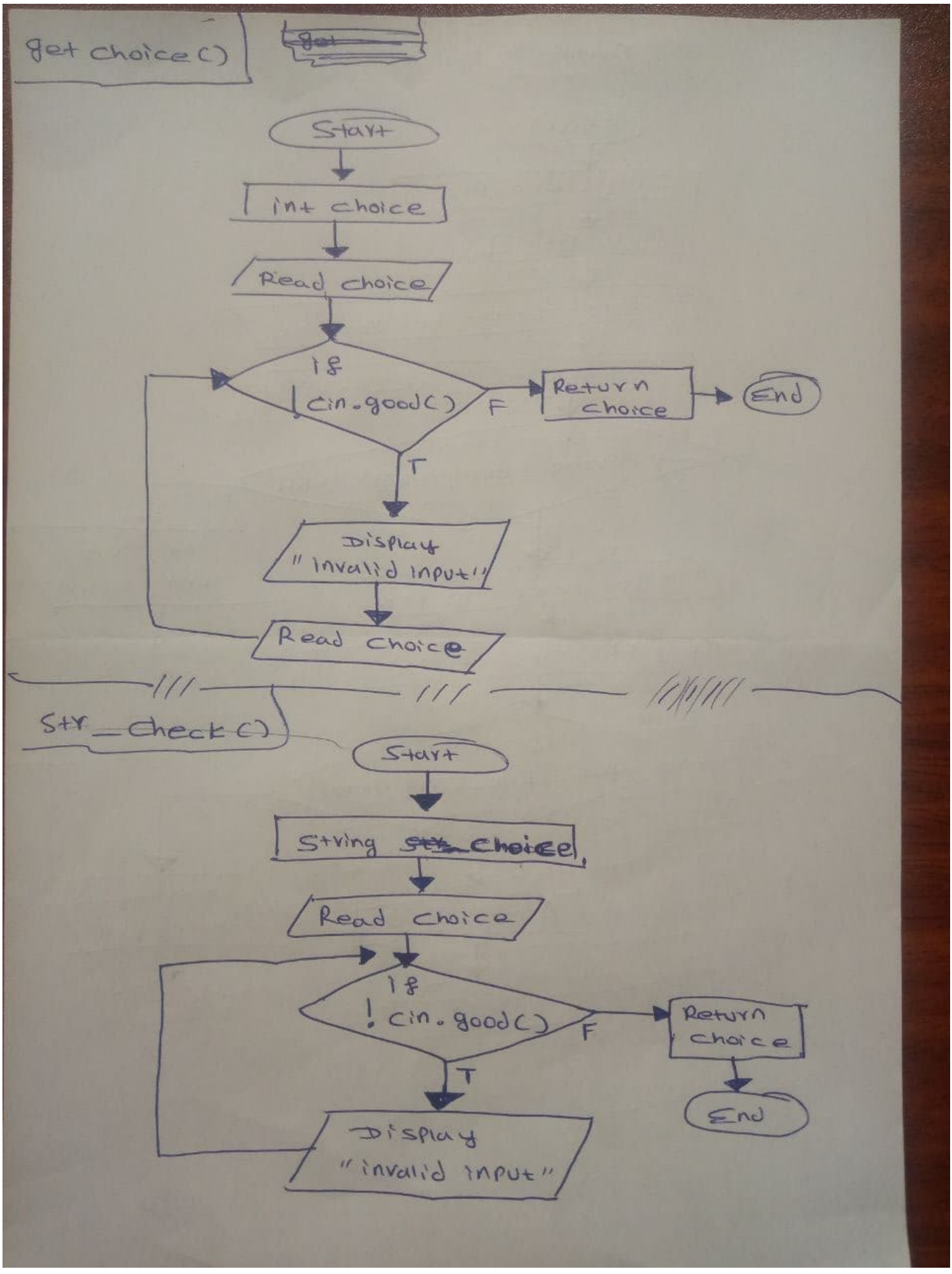
Int main ()

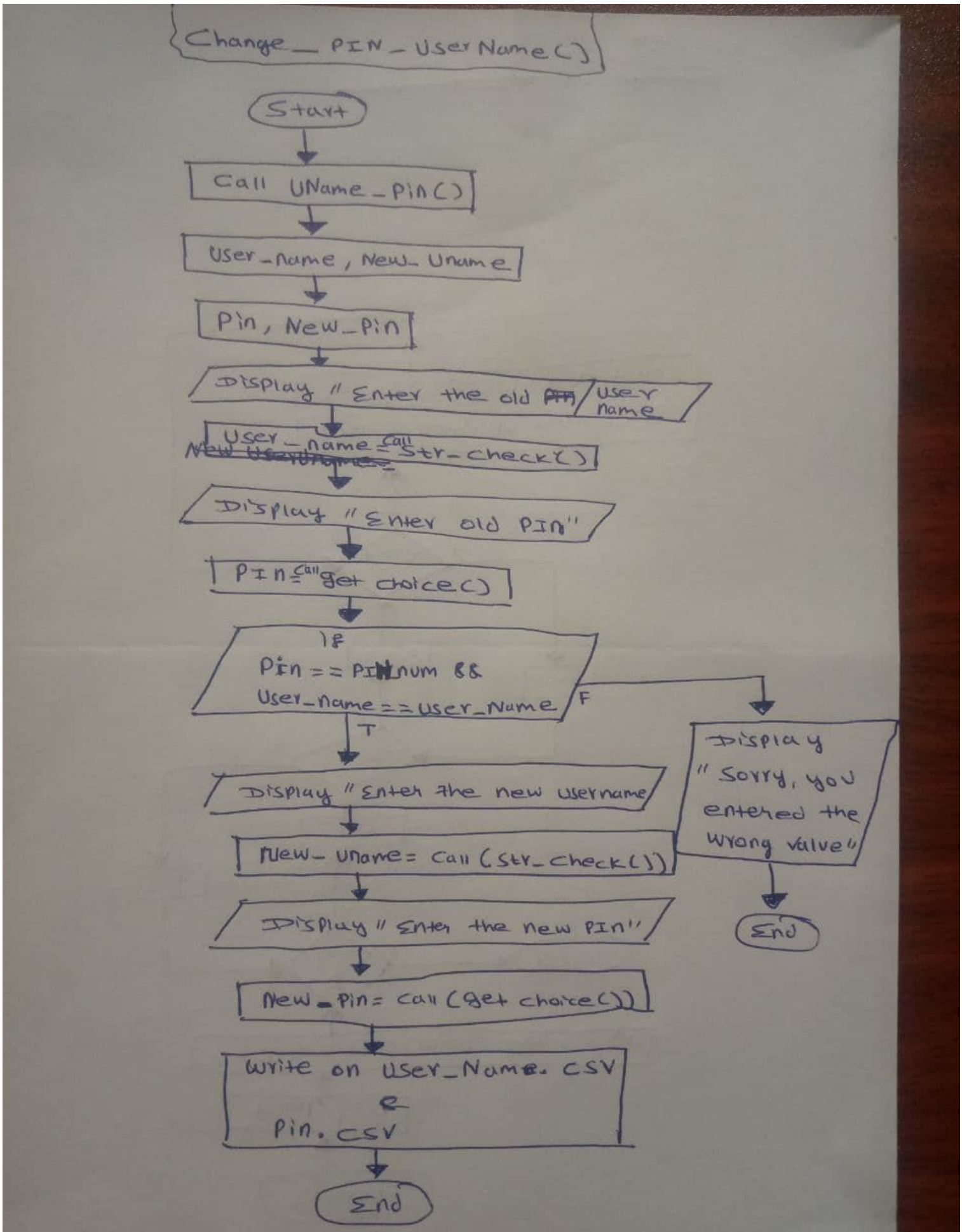


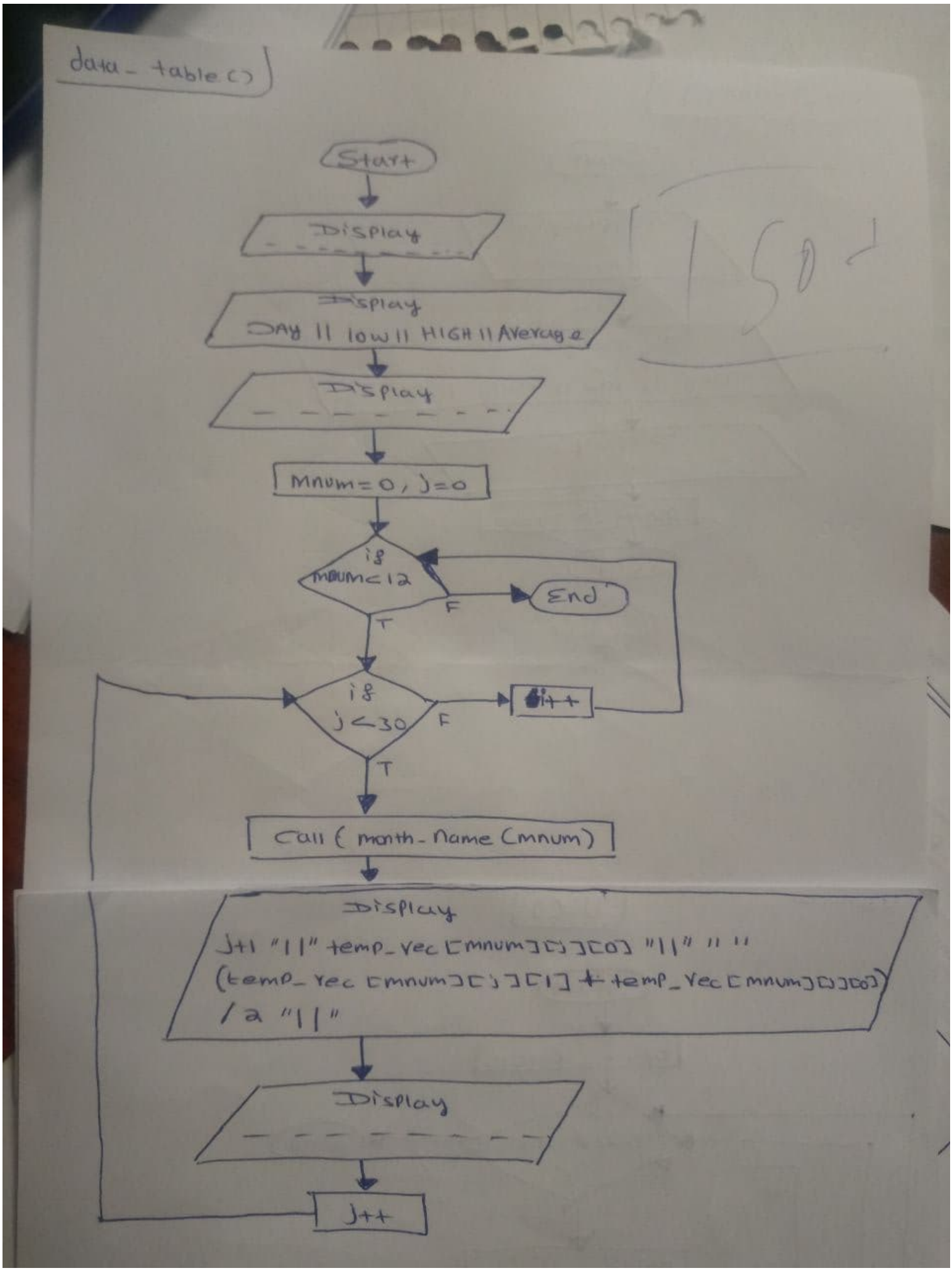

data()
Start
final, i=0
My file = read/open Data.csv
if i<12
F
End
T
i++
j=0
if j<30
F
T
k++
k=0
if k<2
F
T
final = Data in Data.csv
temp [i][j][k] = final
k++


Use Function
Ui()
Start
back = false
if
back = false
F
End
T
num
Display
"welcome"
1, Admin
2, user
num = Call (get choice())
if
num == 1
F
T
if
num = 2
T
F
Call User_UI()
back = true
Call admin()
back = true
Display "wrong input"

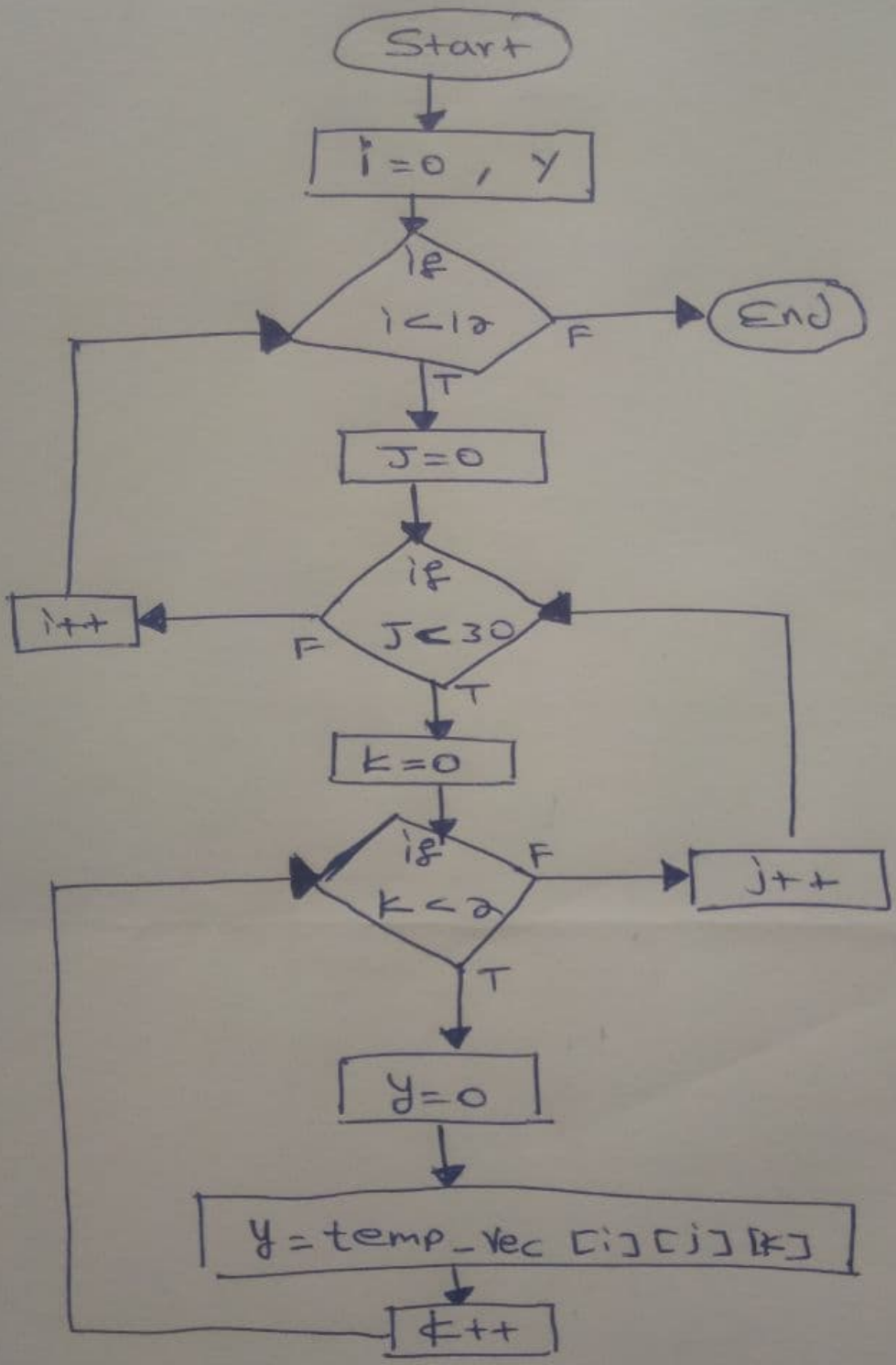

admin()
Start
Call UName_Pin()
Pin, UserName
Display "Enter the user name"
User Name = Call (str_check())
If
User Name = User_Name (global)
T
F
Display "Enter the PIN"
Display "wrong username"
End
Pin = Call (get choice())
If
Pin = PIN_Num (global)
T
F
Admin_UI()
Display "wrong PIN"
End
End


get choice()
Start
int choice
Read choice
if
!cin.good()
F
Return choice
End
T
Display
" invalid input"
Read choice
str_check()
Start
String choice,
Read choice
if
! cin.good()
F
Return choice
End
T
Display
"invalid input"


Change_PIN_UserName()
Start
Call UName_Pin()
User_name, New_Uname
Pin, New_Pin
Display "Enter the old user name
User_name = call str_check()
Display "Enter old PIN"
PIN = call get choice()
If
Pin == PIN num &&
User_name == user_Name
F
T
Display "Sorry, you entered the wrong value"
End
Display "Enter the new username
New_Uname = call (str_check())
Display "Enter the new PIN"
New_Pin = call (get choice())
Write on User_Name.csv
&
Pin.csv
End


data - table ()
Start
Display
Display
DAY || low || HIGH || Average
Display
mnum = 0, j = 0
if mnum < 12
F
End
T
if j < 30
F
i++
T
Call (month - name (mnum)
Display
j+1 "||" temp_rec [mnum][j][0] "||" || ||
(temp_rec [mnum][j][1] + temp_rec [mnum][j][0])
/ 2 "||"
Display
j++

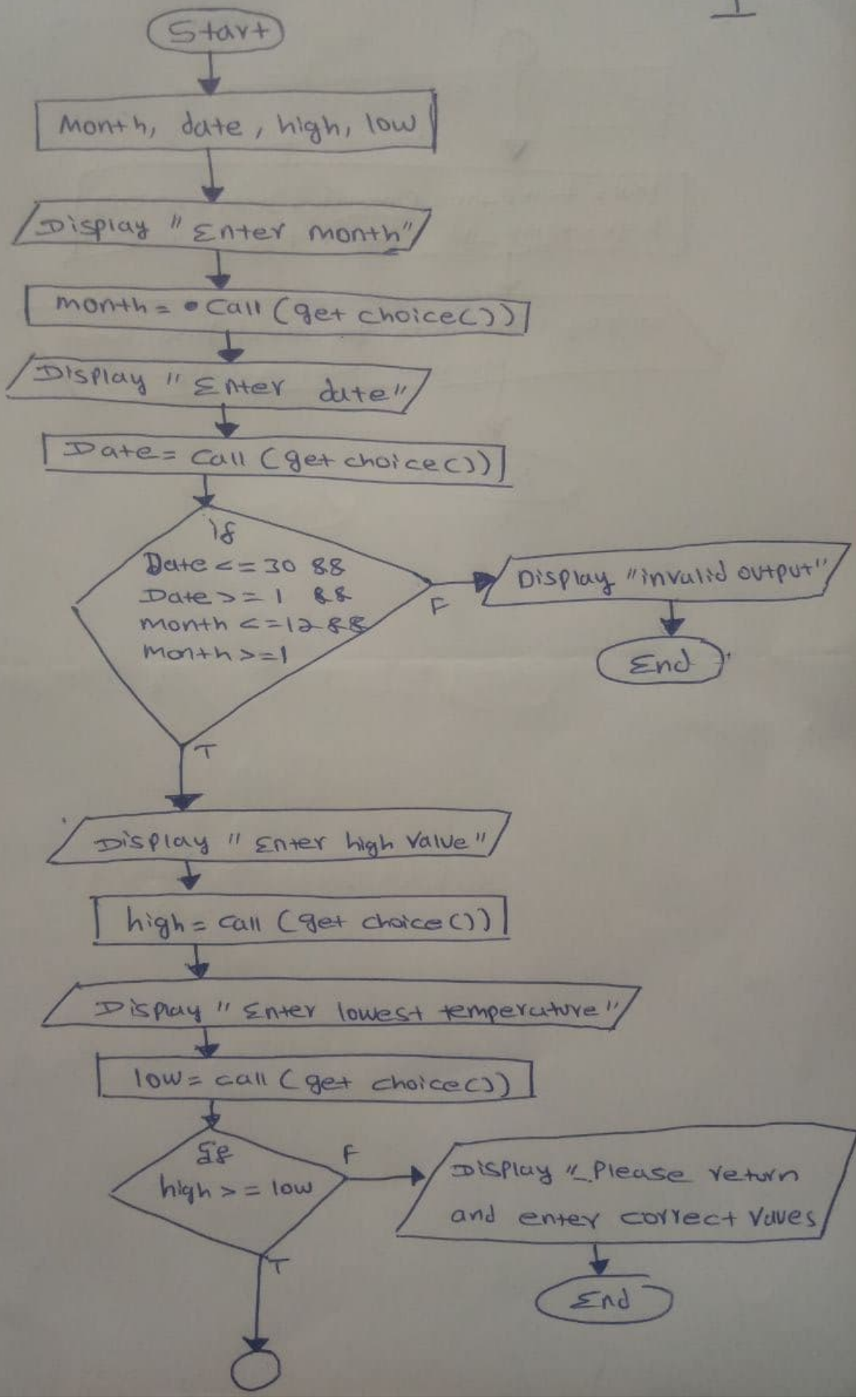
clear_data()

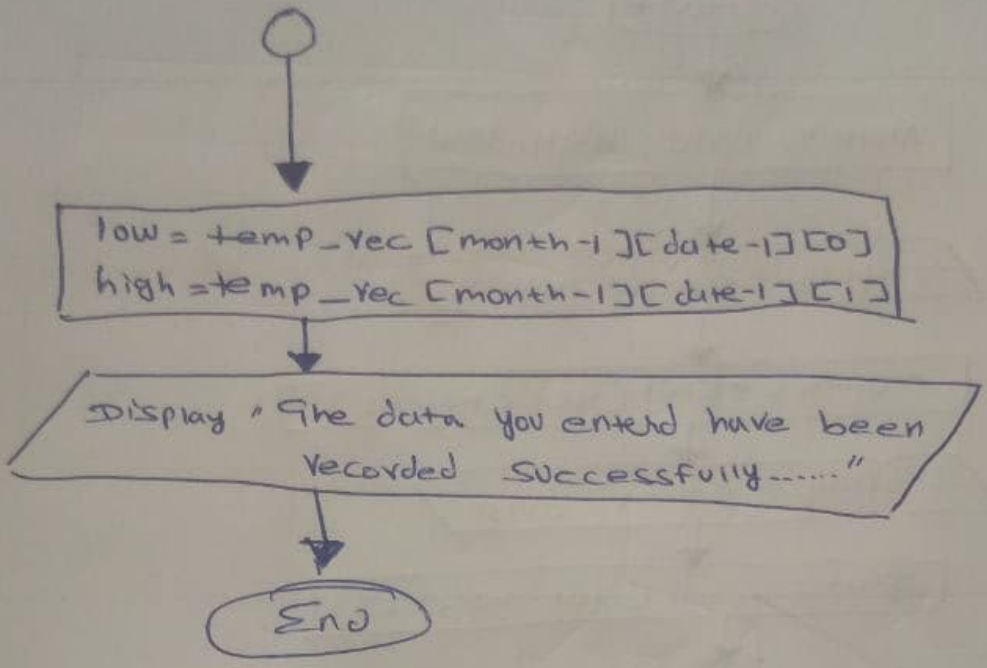

Start
i=0 , y
if
i<12
F
End
T
J=0
if
J<30
F
i++
T
k=0
if
k<2
F
j++
T
y=0
y = temp_vec [i] [j] [k]
k++

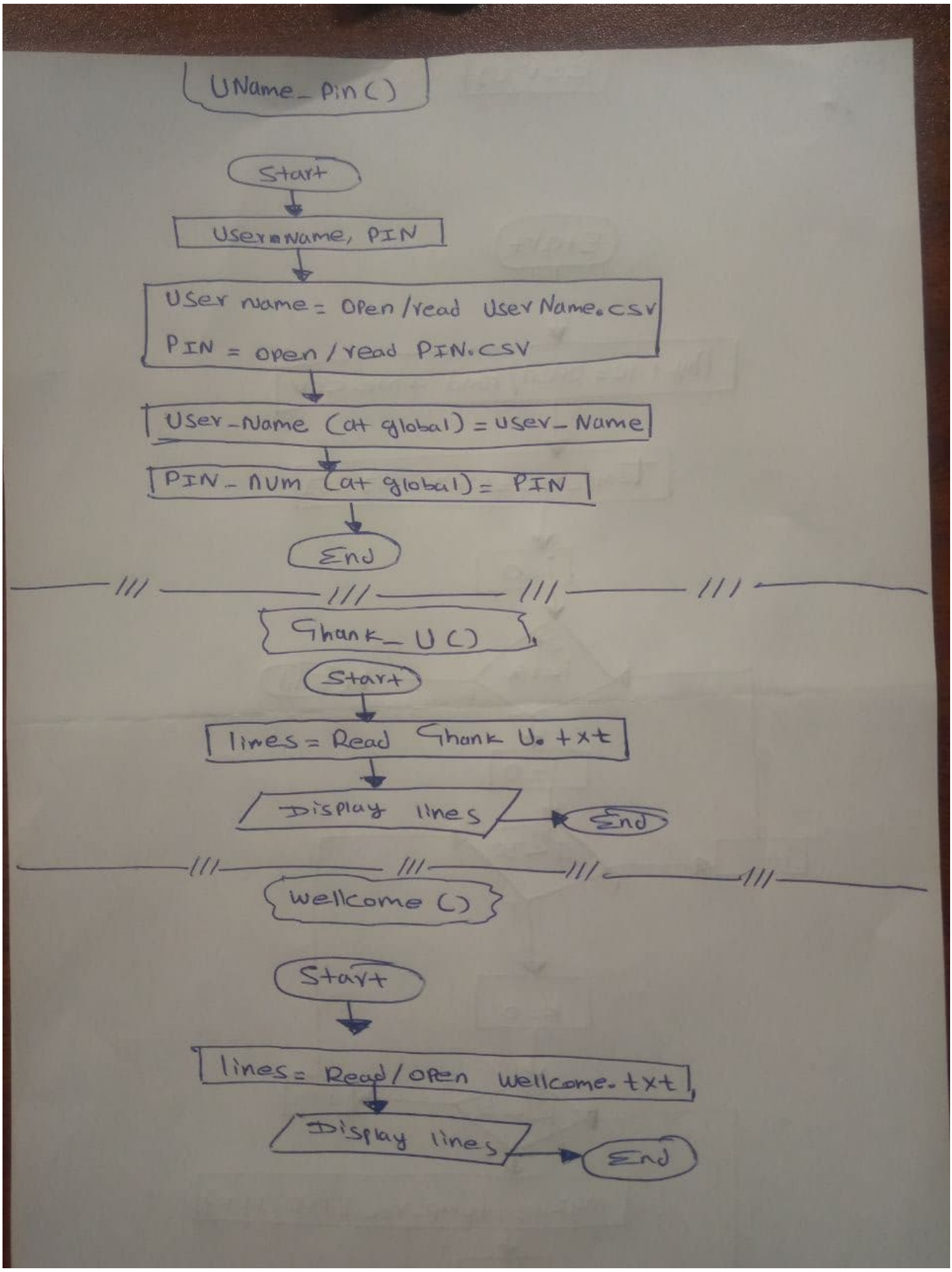
~~record fun~~

{ record ( )

I

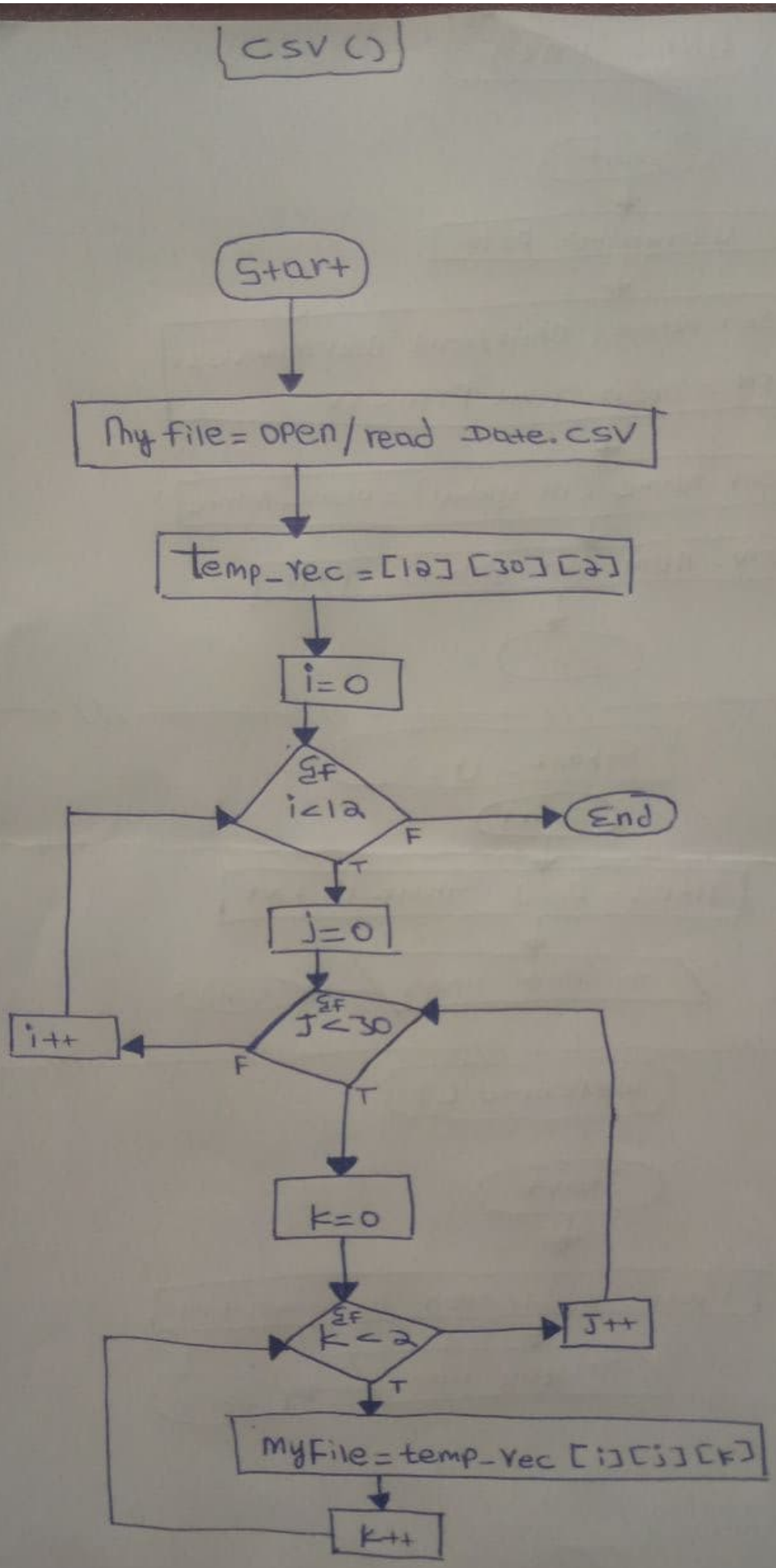


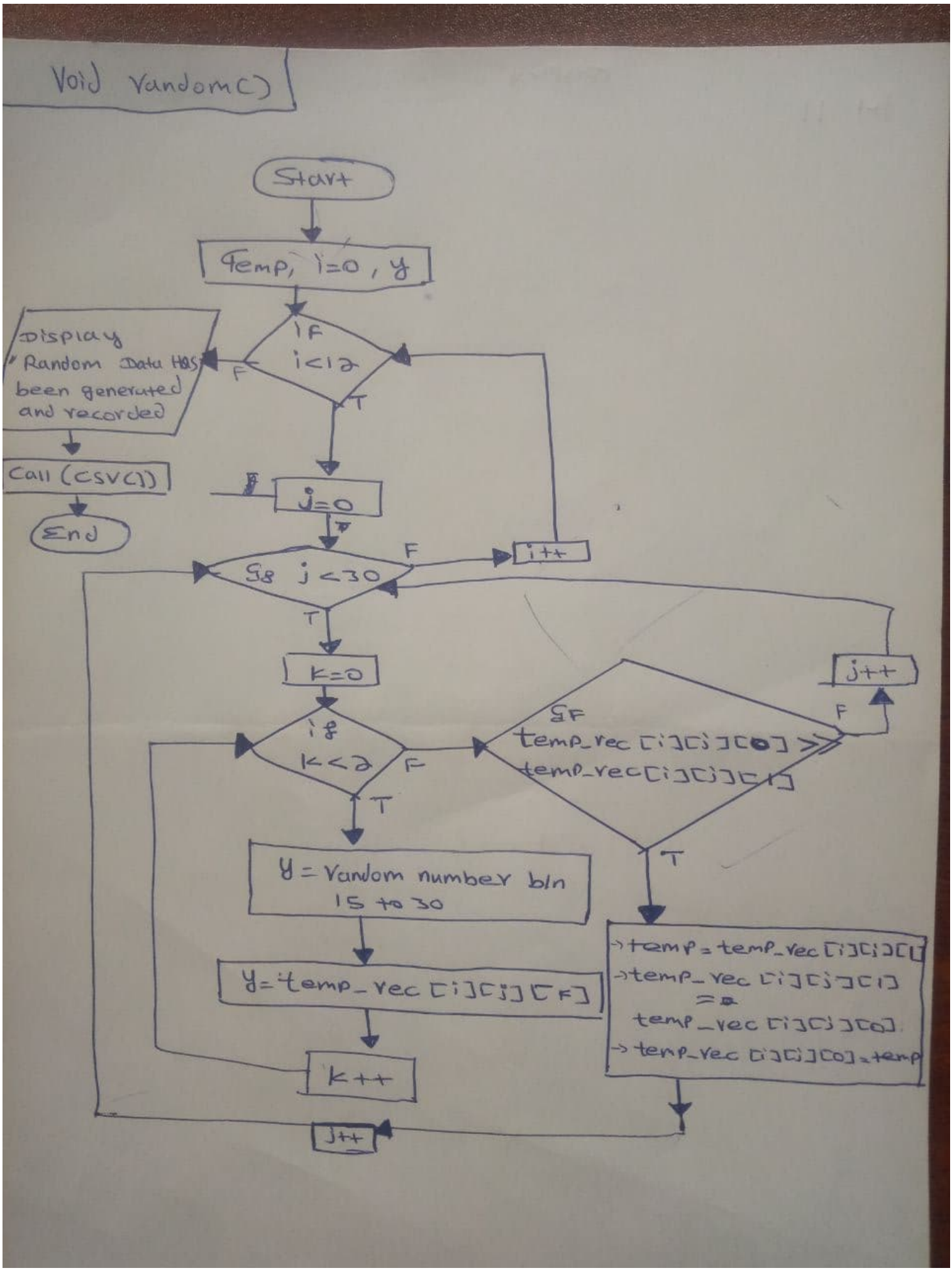

low = temp_rec [month-1][date-1][0]
high = temp_rec [month-1][date-1][1]
Display "The data you entered have been recorded successfully....."
End


UName_Pin()
Start
UserName, PIN
User name = Open/read UserName.csv
PIN = open/read PIN.csv
User_Name (at global) = User_Name
PIN_Num (at global) = PIN
End
Thank_U()
Start
lines = Read Thank U.txt
Display lines
End
Wellcome()
Start
lines = Read/open Wellcome.txt
Display lines
End

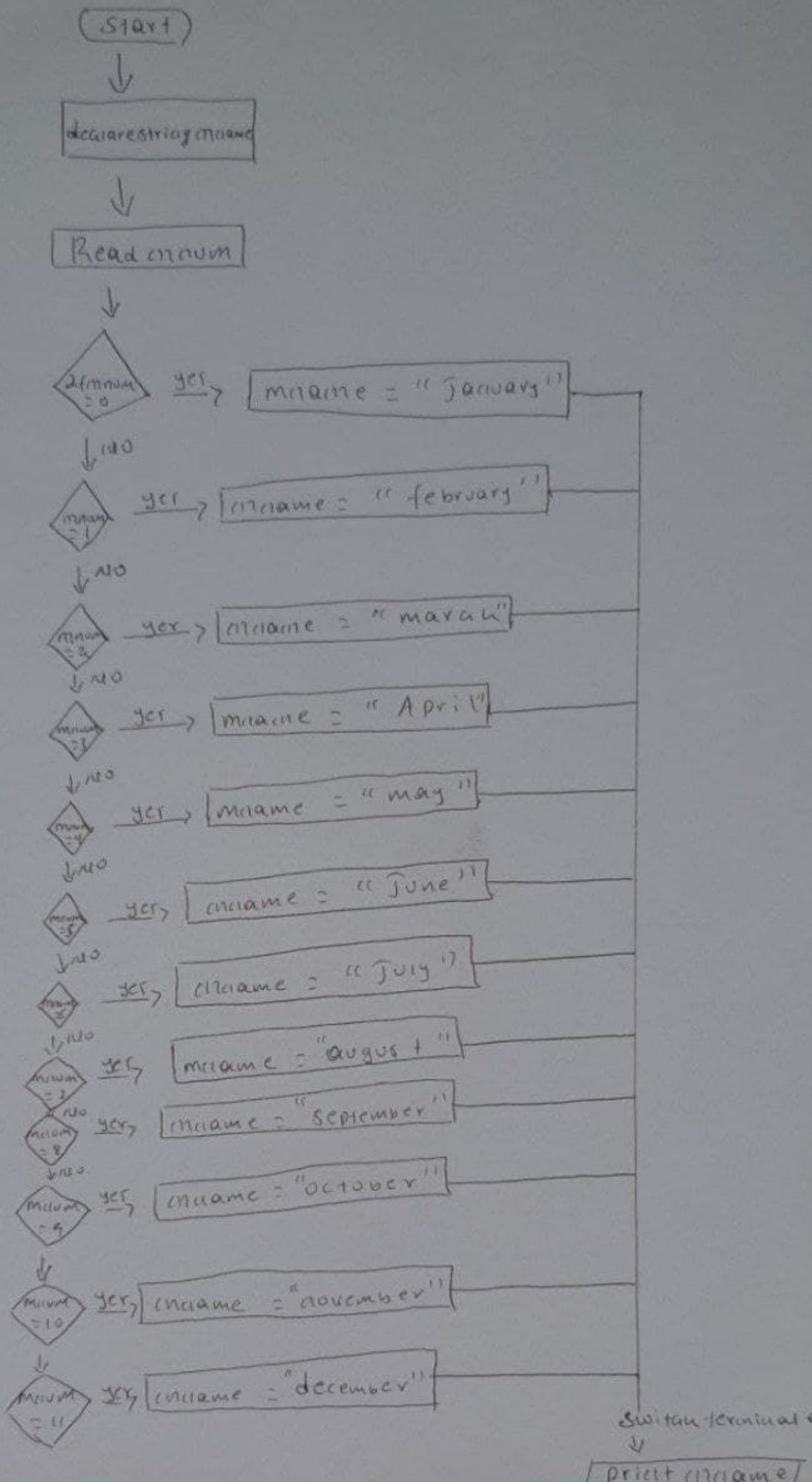
CSV

/*

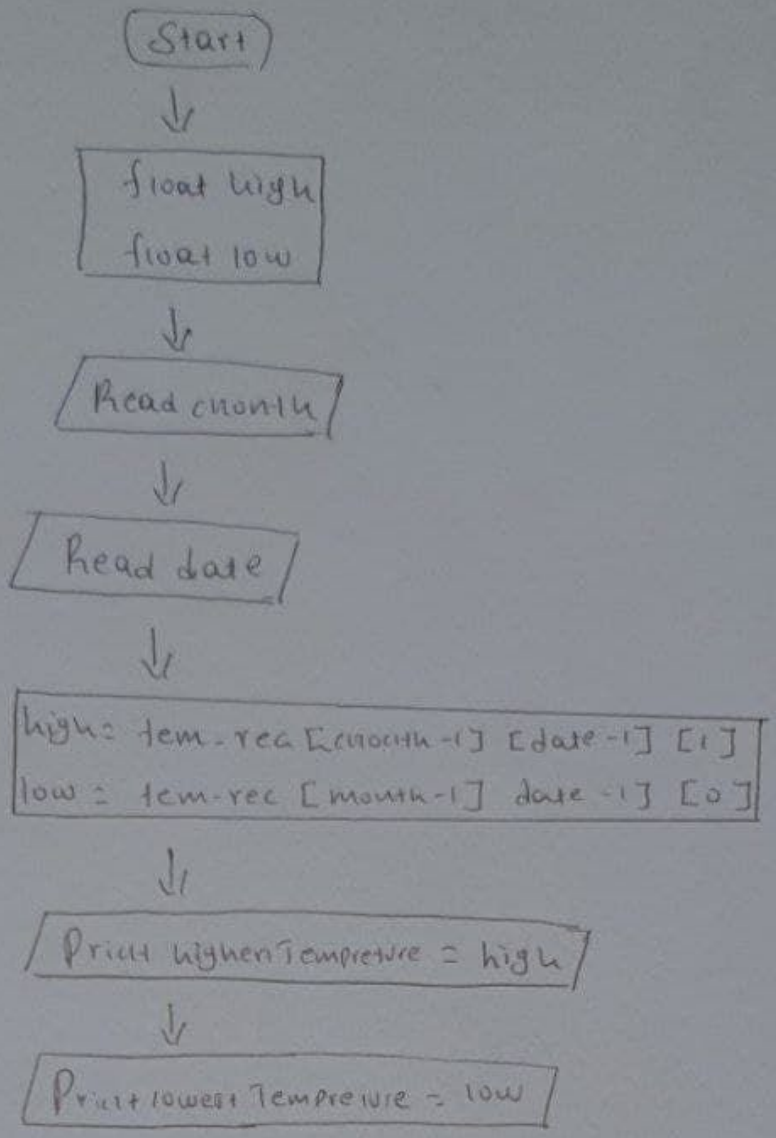

CSV ()
Start
Myfile = open / read Date.CSV
temp_vec = [12] [30] [2]
i=0
If i<12
F
End
T
j=0
If j<30
F
i++
T
k=0
If k<2
F
j++
T
myFile = temp_vec [i][j][k]
k++


Void random()
Start
temp, i=0, y
IF i<12
F
T
Display "Random Data Has been generated and recorded"
Call (CSV())
End
j=0
IF j<30
F
T
i++
k=0
if k<2
F
T
y = random number bln 15 to 30
y=temp_rec[i][j][F]
k++
j++
IF temp_rec[i][j][0] > temp_rec[i][j][1]
F
T
j++
->temp = temp_rec[i][j][1]
->temp_rec[i][j][1] = temp_rec[i][j][0]
->temp_rec[i][j][0] = temp

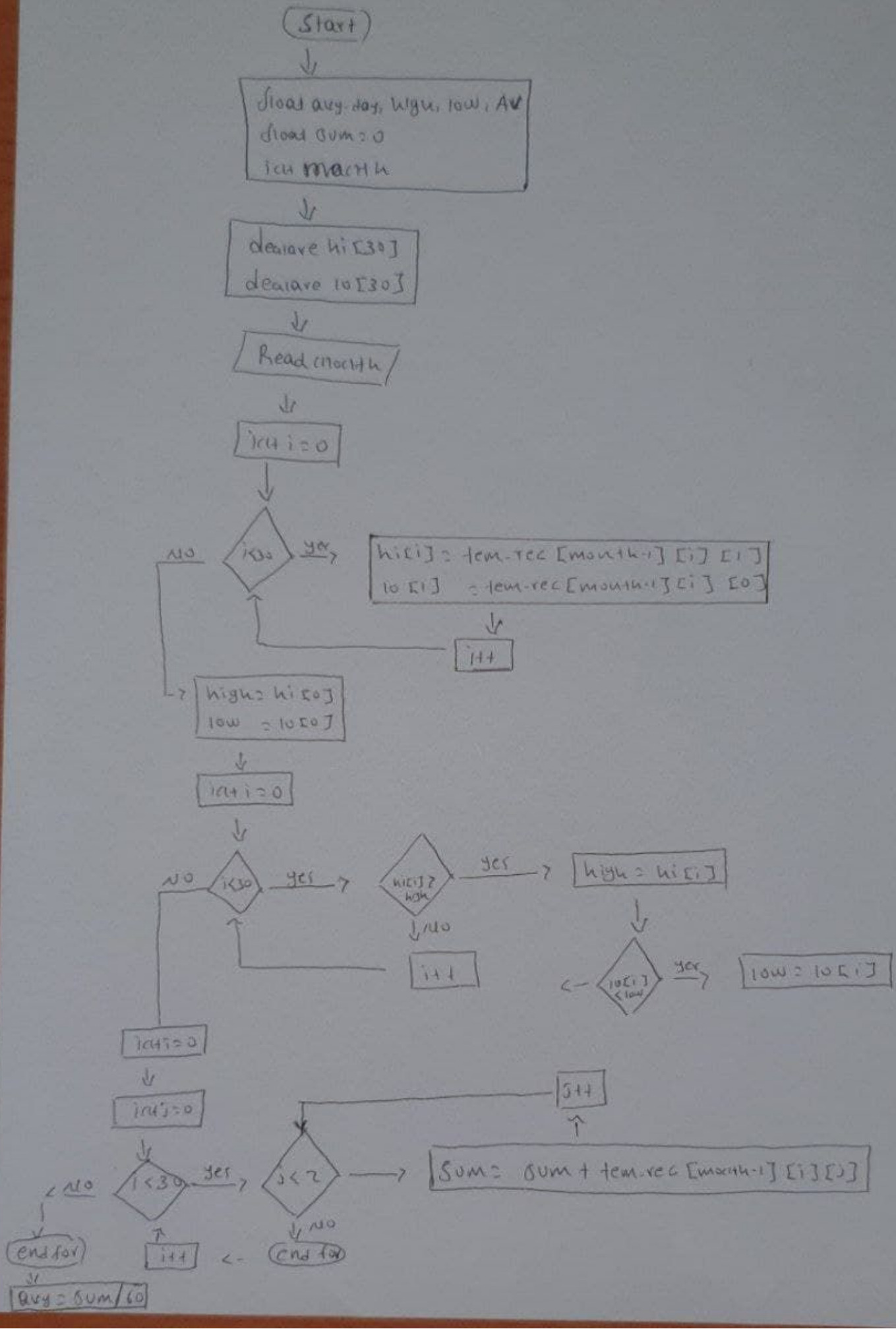
Month-Name function



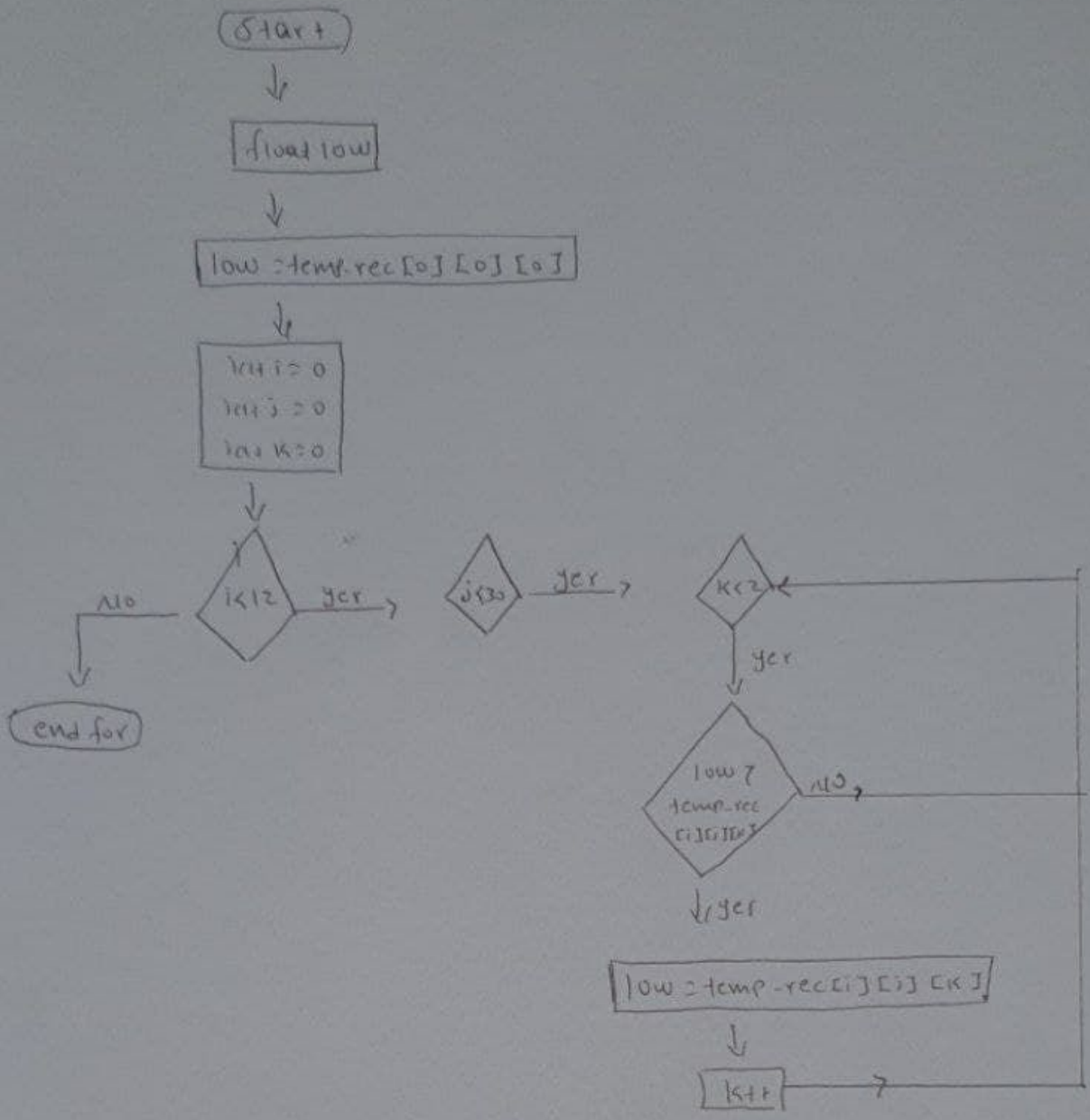
High-low-Tem.day fuction



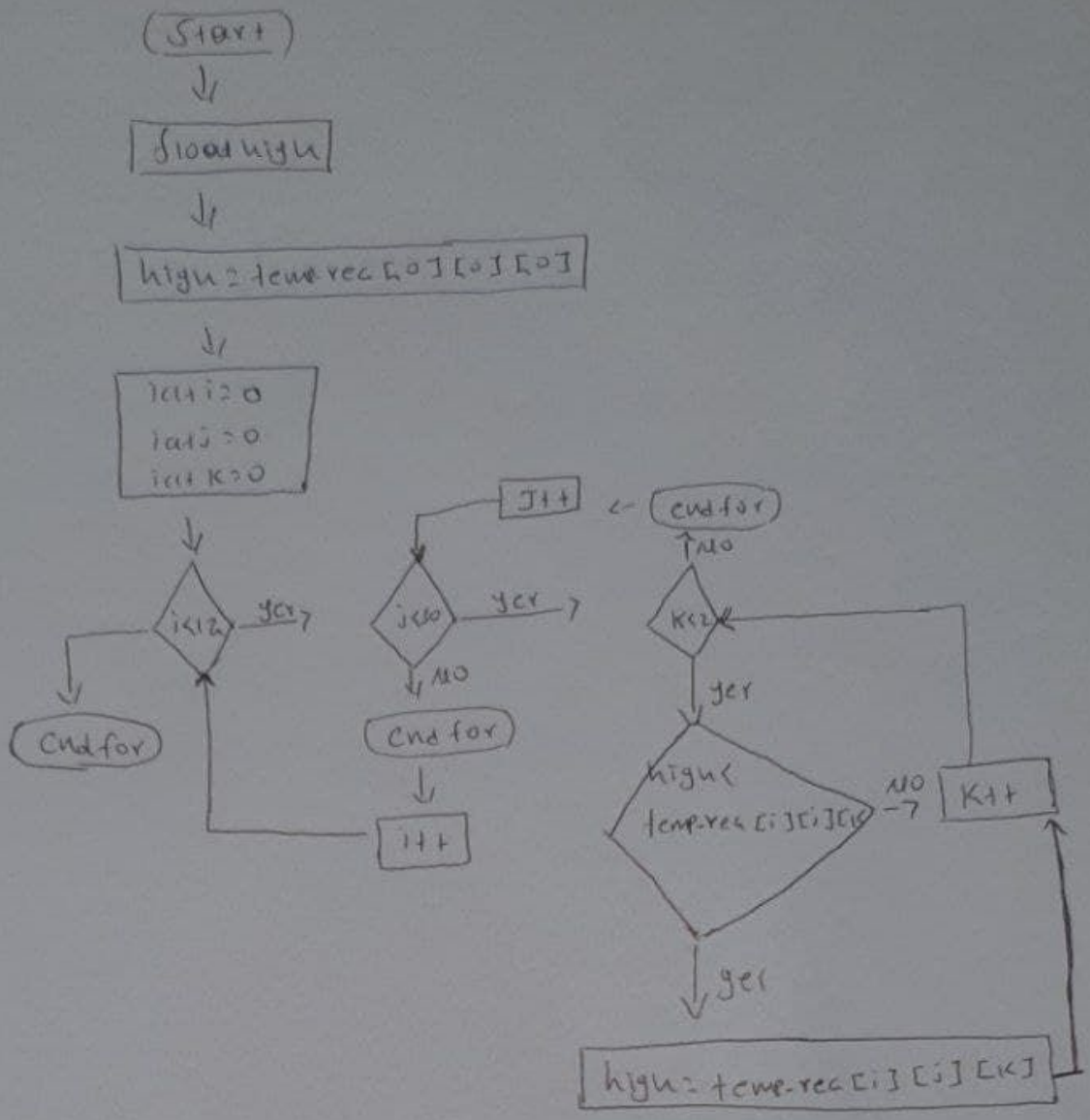
High-low-Avg-Tem-Month function

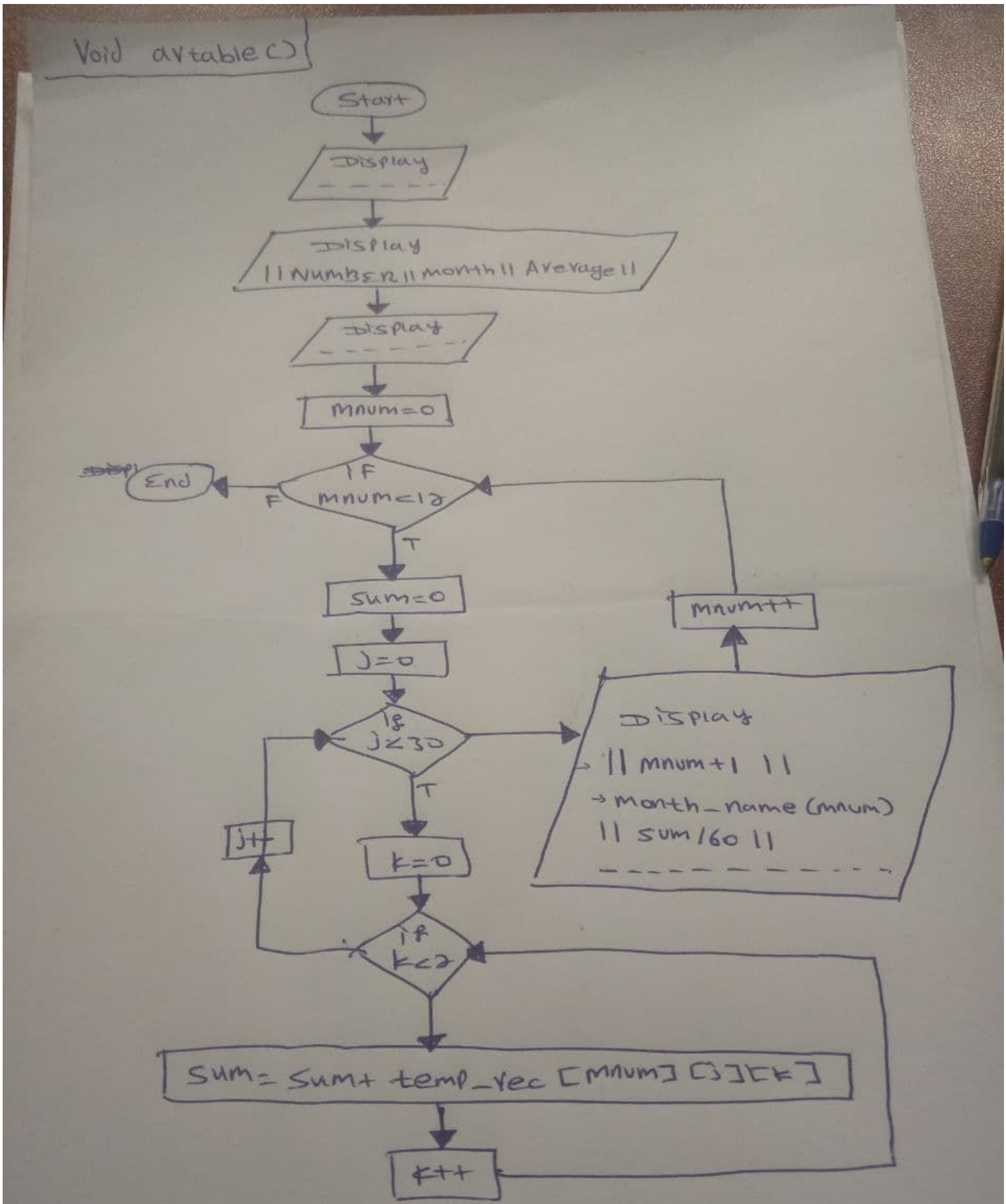


low month day function

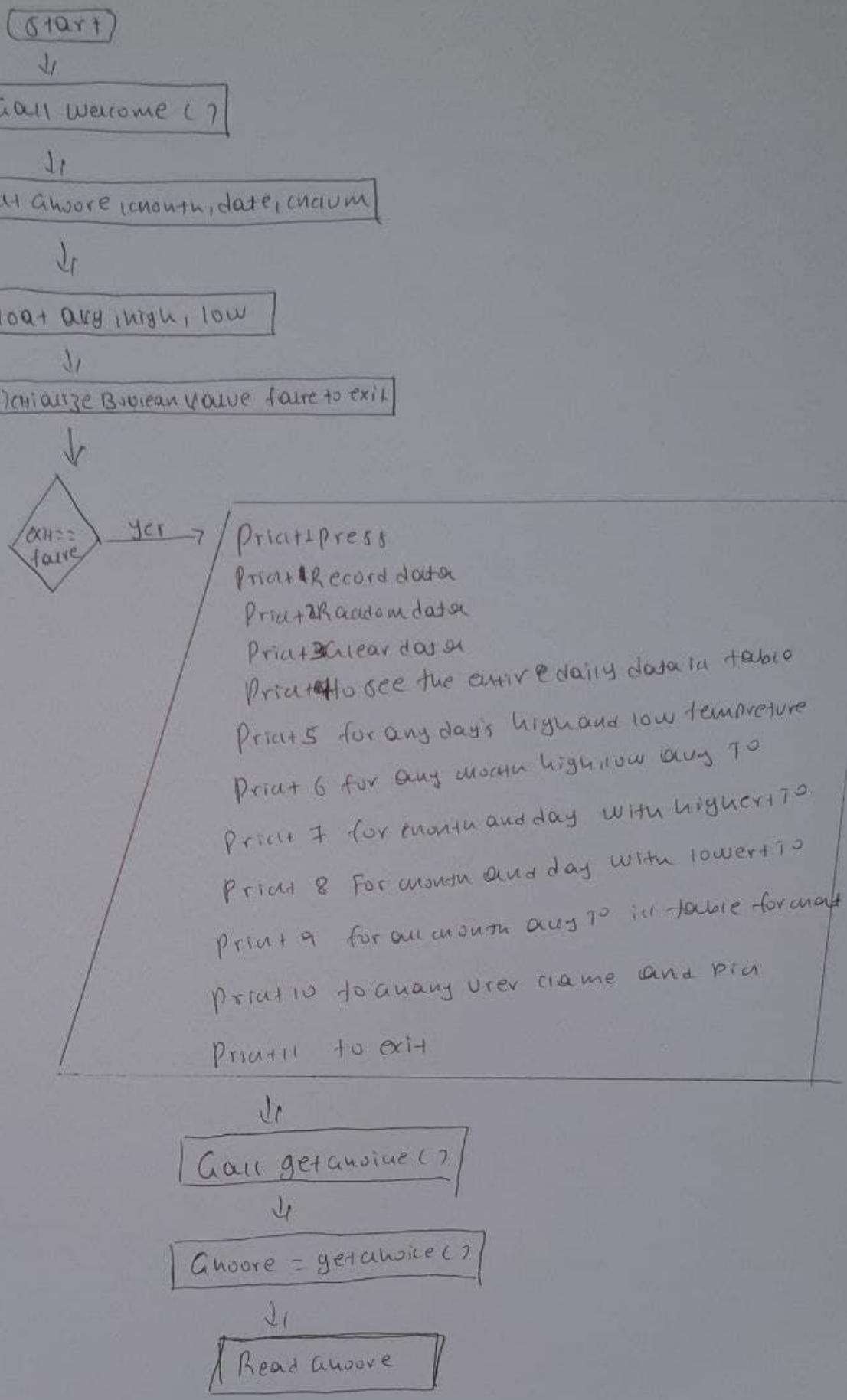


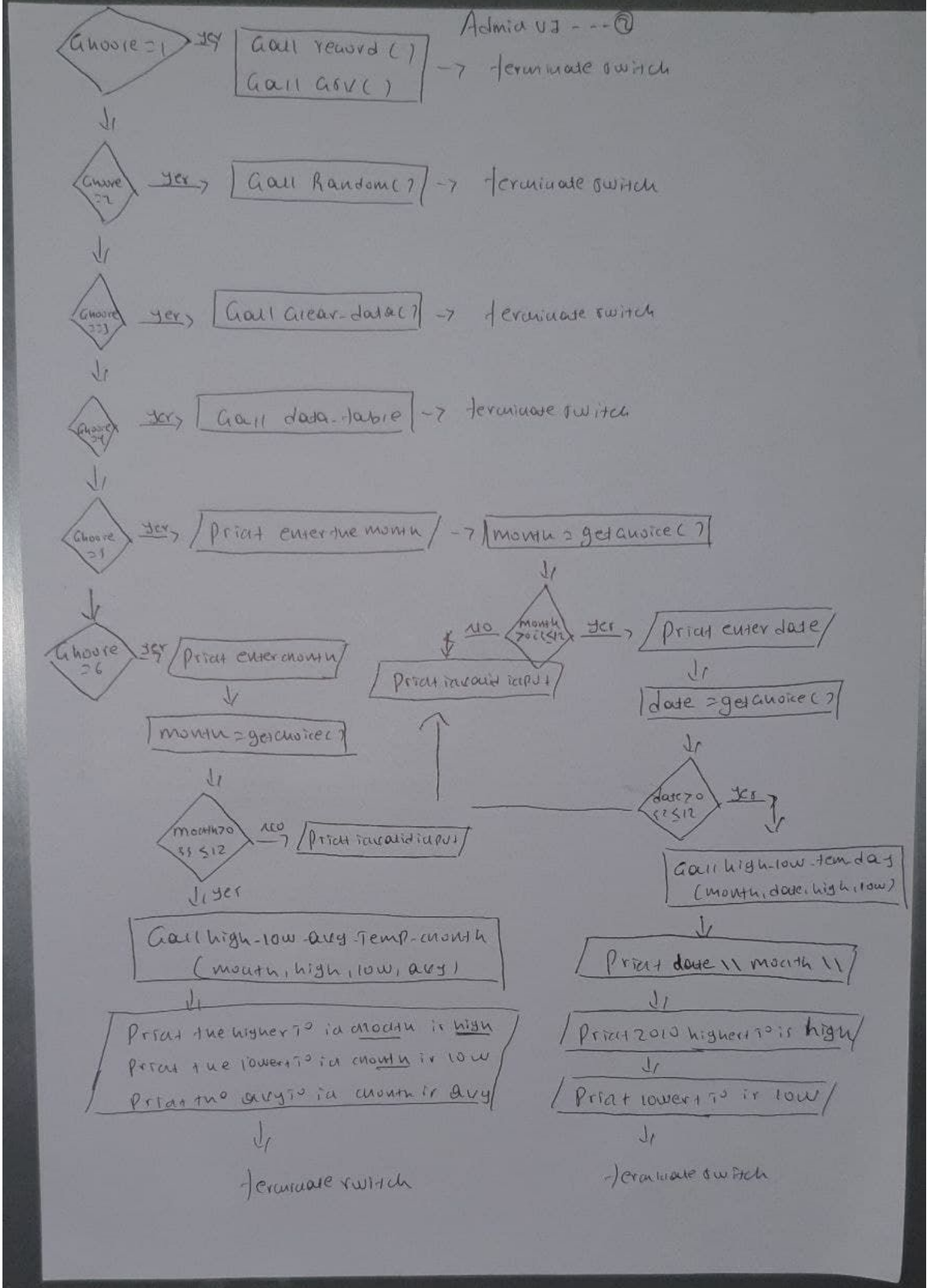
High-month-day -function



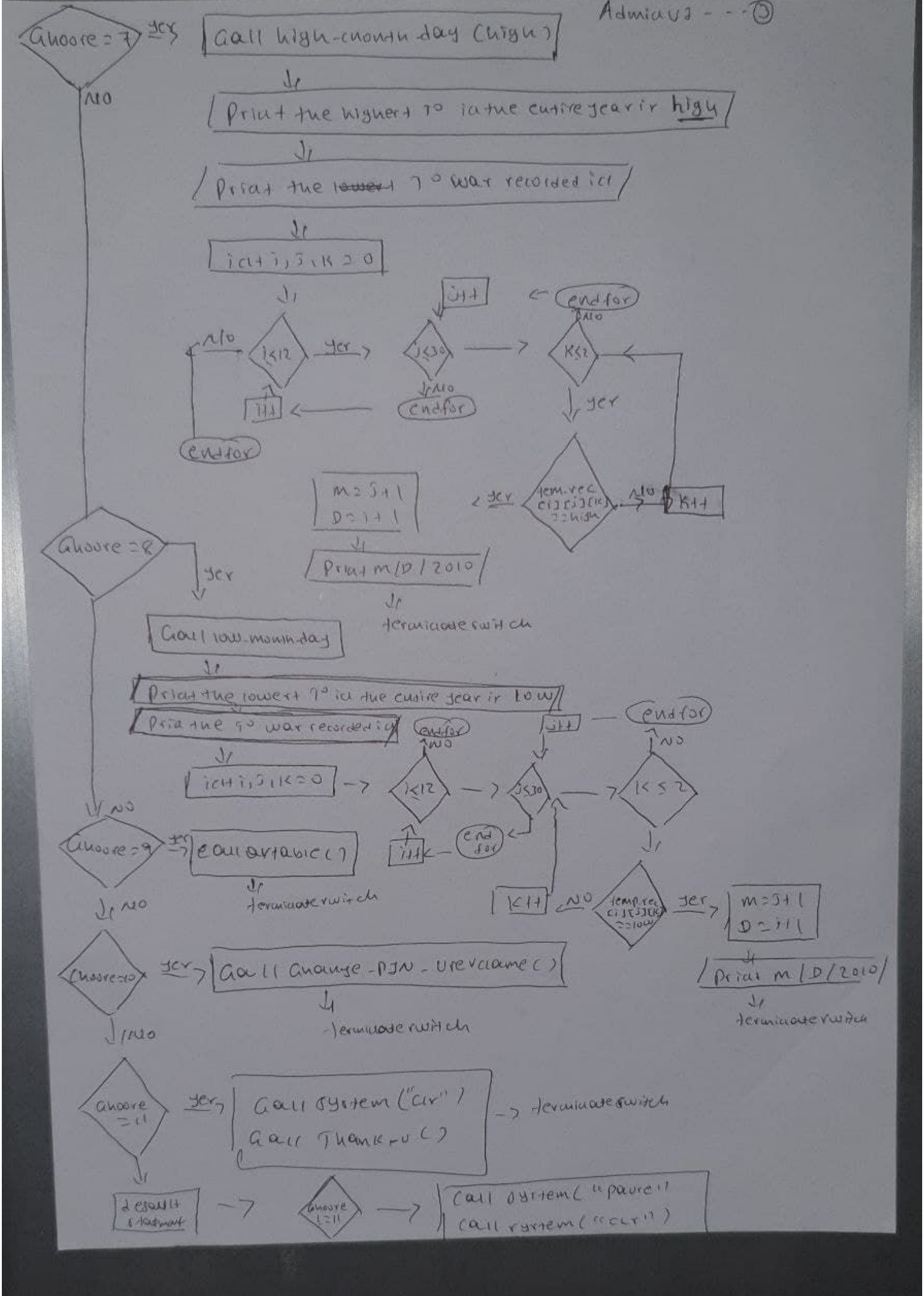

Void avtable()
Start
Display
Display
||Number||month||Average||
display
mnum=0
IF
mnum<12
F
End
T
sum=0
j=0
if
j<30
T
k=0
if
k<2
sum=sum+temp_vec[mnum][j][k]
k++
j++
Display
||mnum+1||
→month_name(mnum)
||sum/60||
mnum++

Admin UI function ----(1)



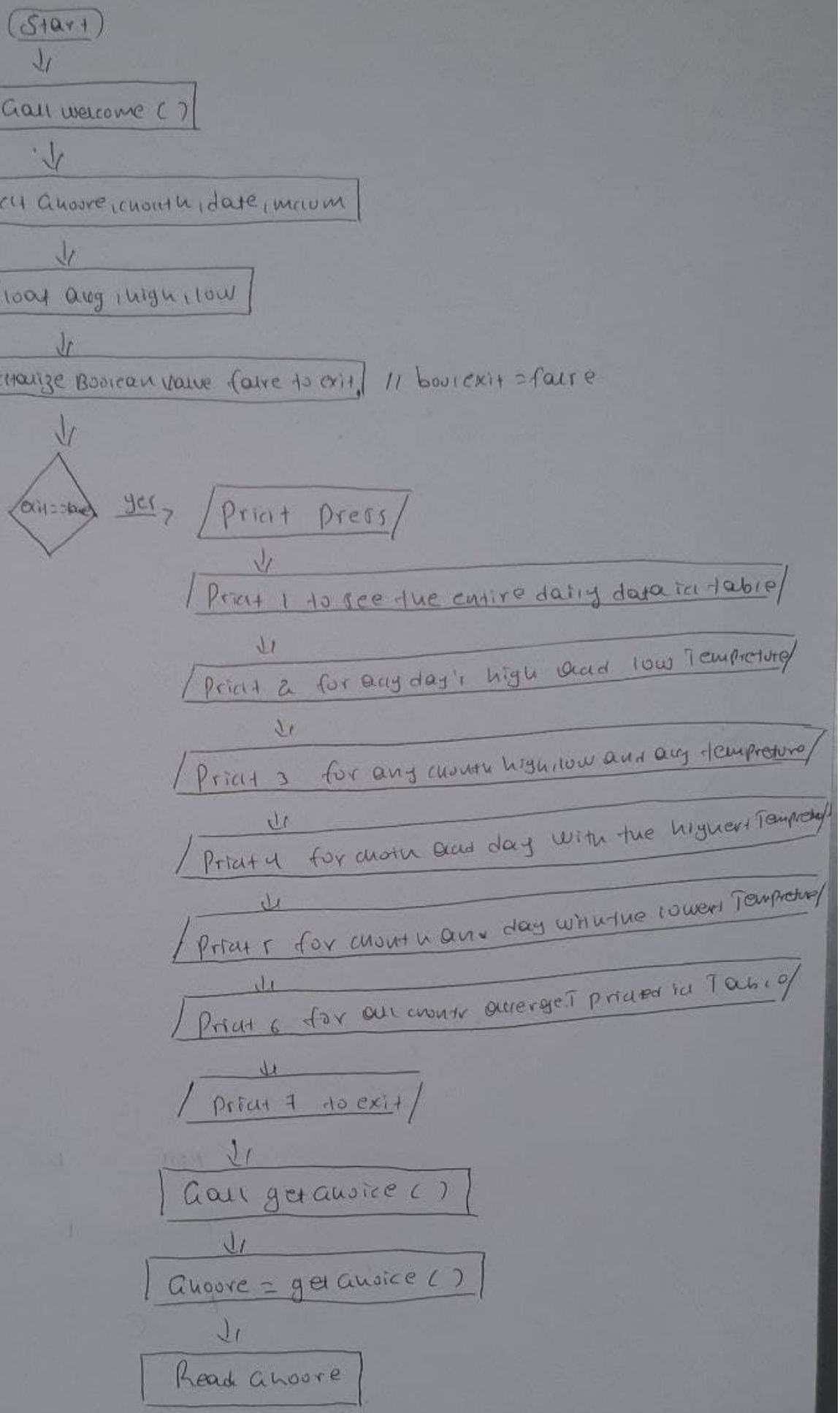

Admin UI ---@
choice=1
yes
Call reward()
Call GSV()
terminate switch
choice=2
yes
Call Random()
terminate switch
choice=3
yes
Call clear-data()
terminate switch
choice=4
yes
Call data-table
terminate switch
choice=5
yes
Print enter the month
month = getchoice()
choice=6
yes
Print enter month
month = getchoice()
month>0 && <=12
no
Print invalid input
yes
Print enter date
date = getchoice()
date>0 && <=12
yes
Call high-low-temp day (month, date, high, low)
Print date || month ||
Print 2010 higher T° is high
Print lower T° is low
terminate switch
month>0 && <=12
no
Print invalid input
yes
Call high-low-avg Temp-month (month, high, low, avg)
Print the higher T° in month is high
Print the lower T° in month is low
Print the avg T° in month is avg
terminate switch

Admiaui - - - ③

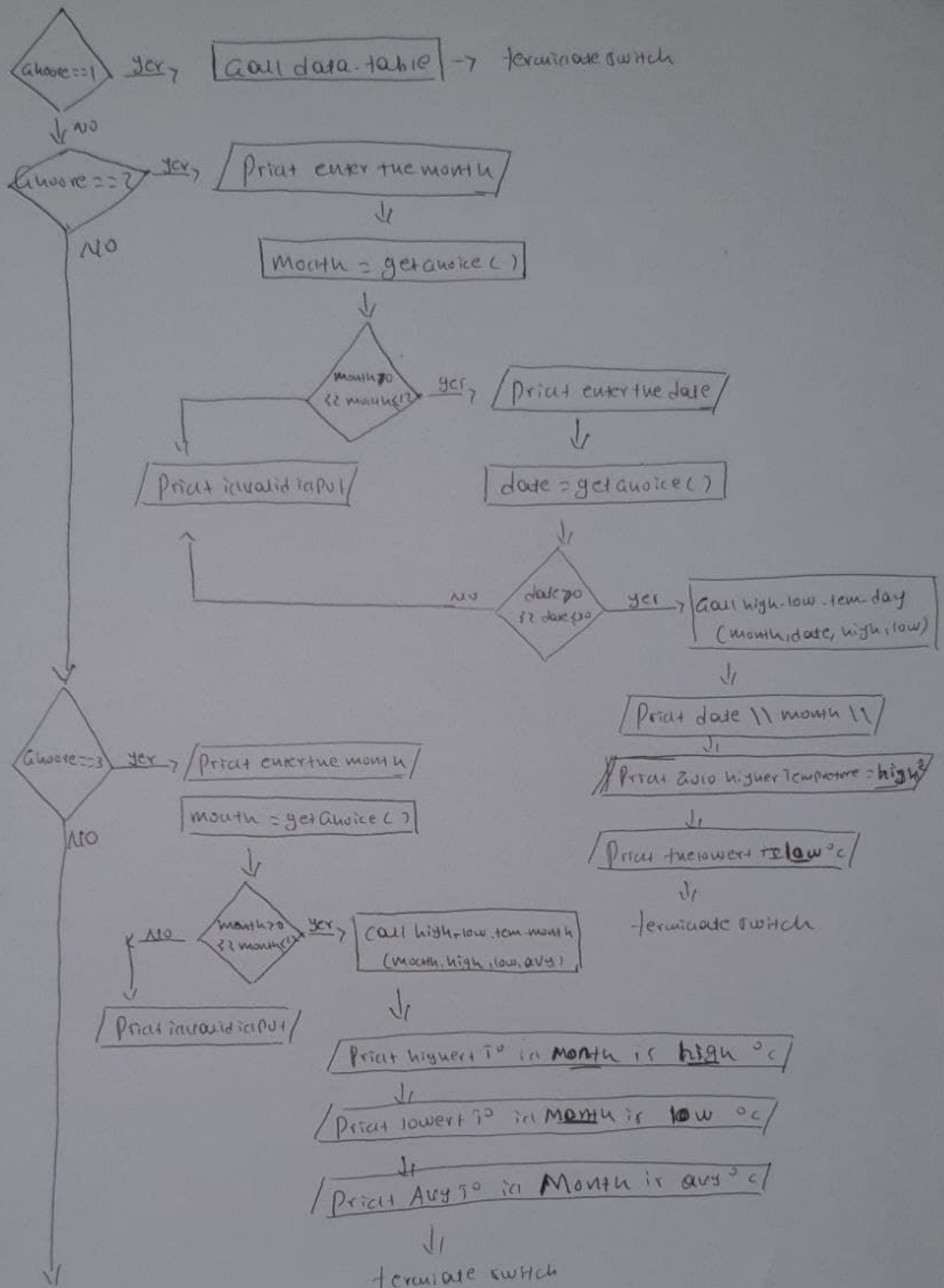


Ghoore = 7
yer
Gall high-month-day (high)
NO
Print the highest T° in the entire year is high
Print the ~~lowest~~ T° war recorded in
int i, j, k = 0
i<12
yer
j<30
k<2
NO
endfor
itt
jtt
ktt
tem.rec [i][j][k] == high
M = j+1
D = i+1
Print M/D/2010
terminate switch
Ghoore = 8
Gall low-month-day
Print the lowest T° in the entire year is low
Print the T° war recorded in
int i, j, k = 0
Ghoore = 9
call artable()
Ghoore = 10
Gall Change-PIN-Username()
Ghoore = 11
Gall system("clr")
Gall Thank-u()
default statement
Ghoore != 11
Call system("pause")
Call system("clr")

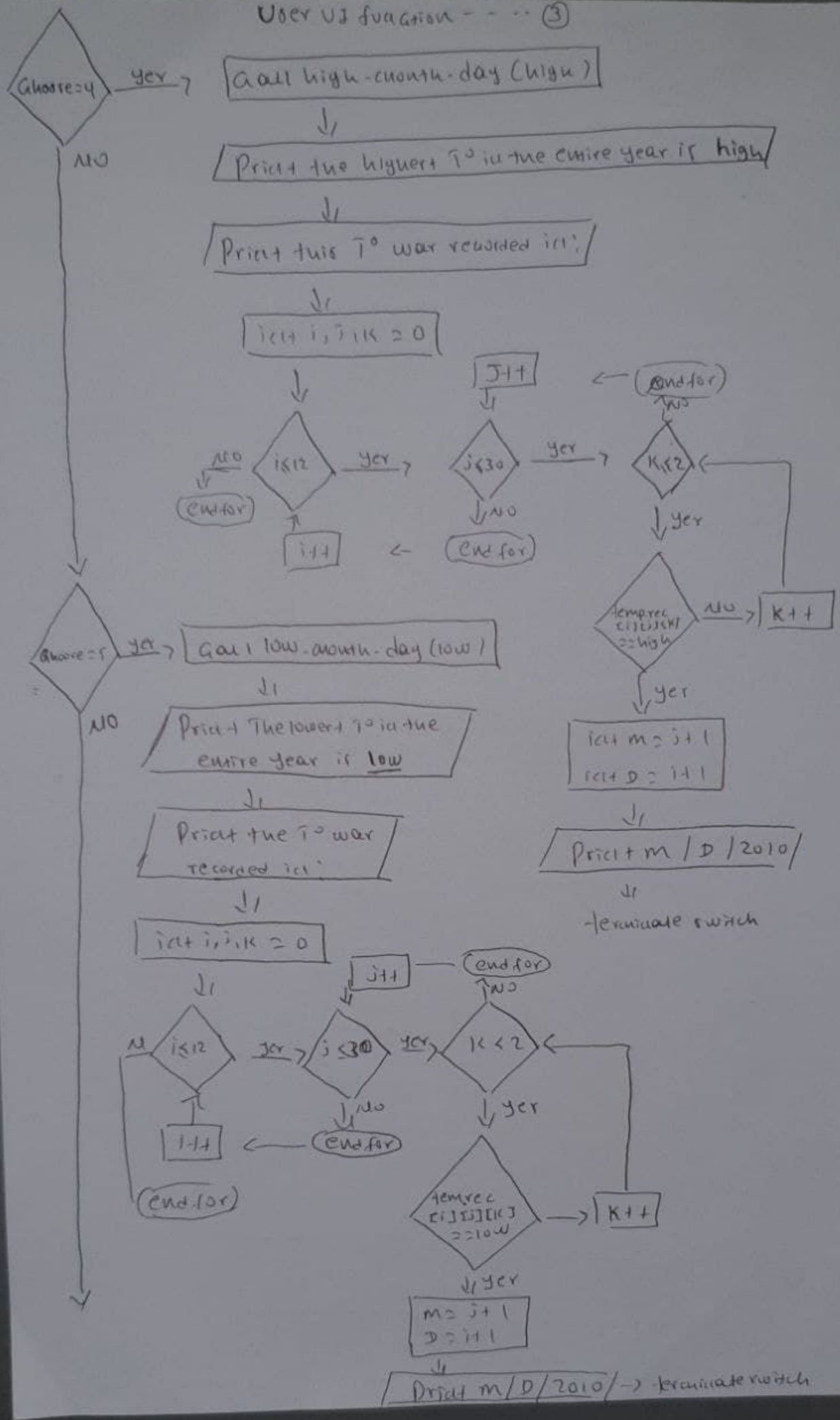
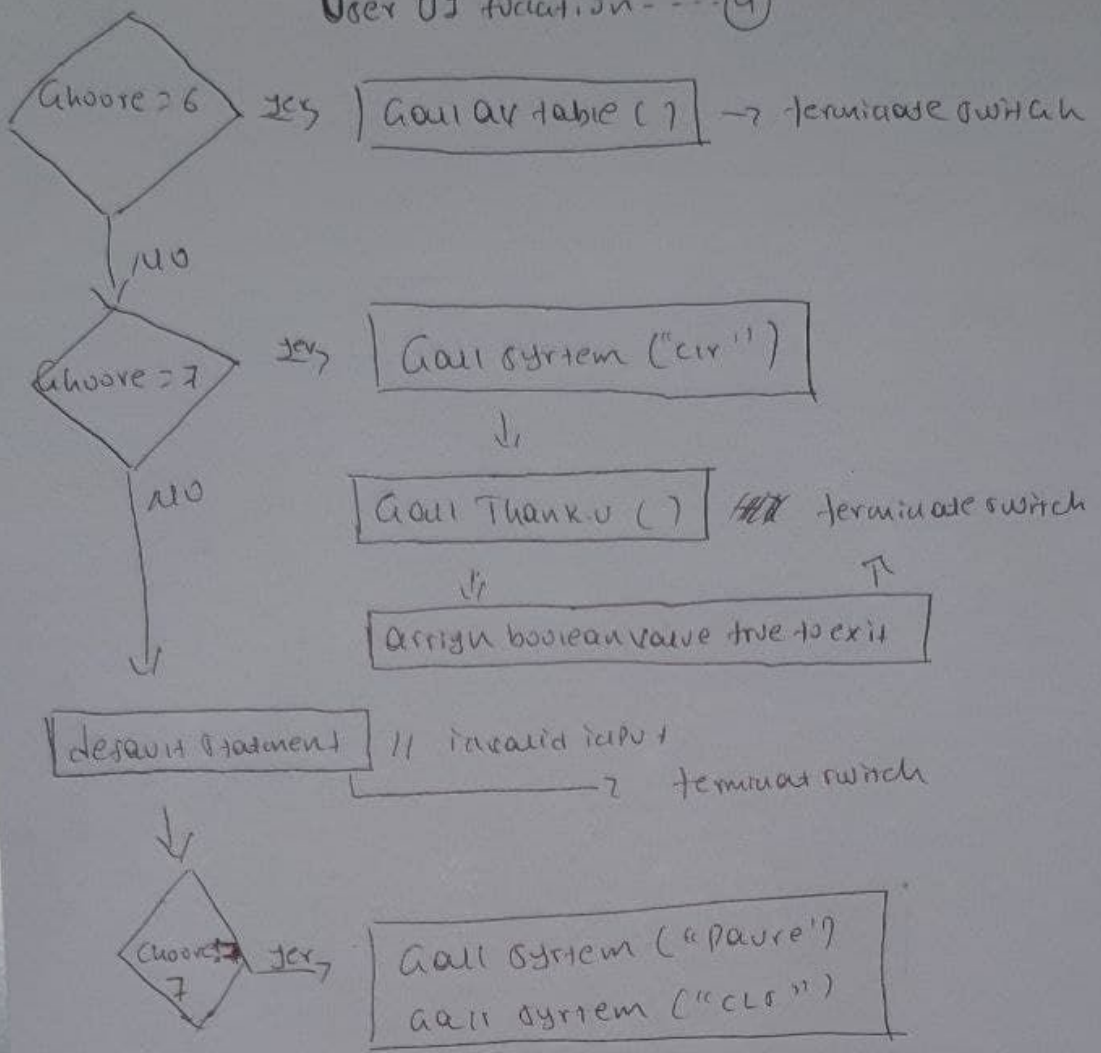
User_UI function ----(1)



User UI function - - - - (2)



User UI fuaction - - - - (3)



User UI fucation - - - (4)