1. Write an algorithm and flow chart to print “Adamas University

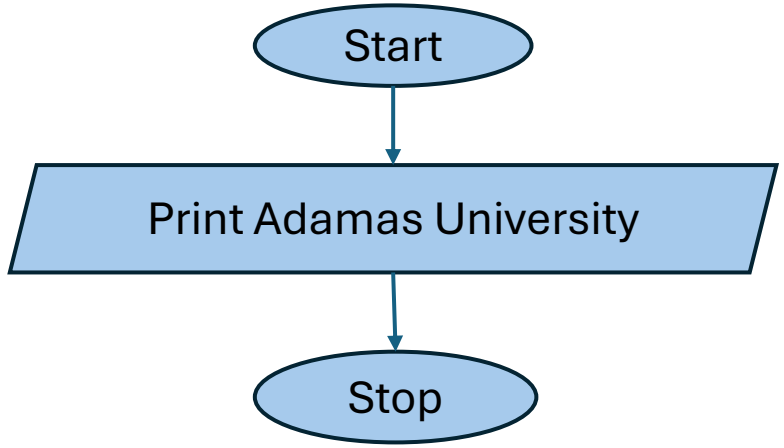
- *Pseudo code*

Step 1. Start

Step 2. Print ”Adamas University”

Step 3. Stop

- *Flowchart*

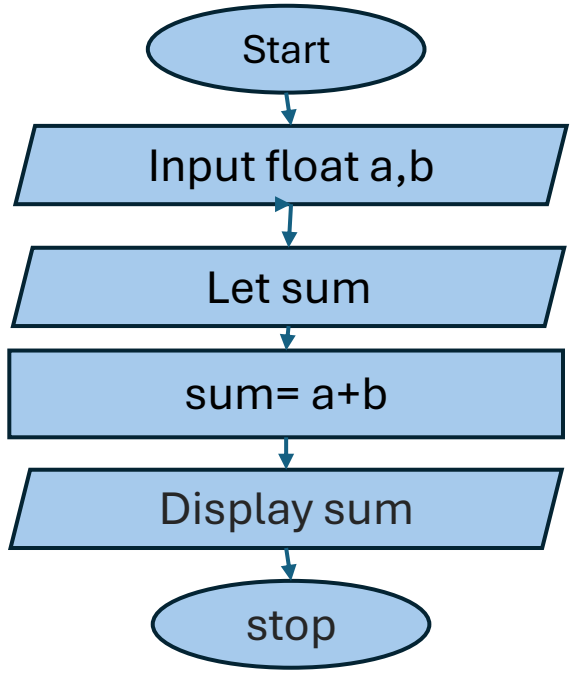


2. Print sum of two float value

Pseudo code

Step 1. Start
Step 2. Input float a,b
Step 3. Let sum= a+b
Step 4. display sum
Step 5. stop

Flowchart



3. Print difference between two no

- *Pseudocode*

Step1. Start

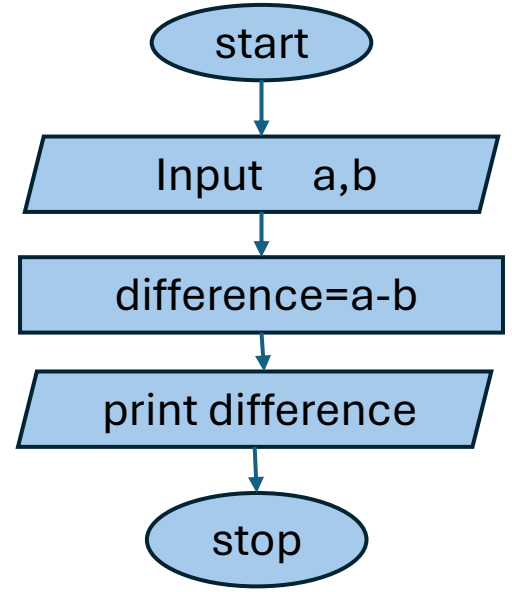
Step2. Input a,b

Step3. Difference= a-b

Step4. Print difference

Step5. Stop

- *Flowchart*

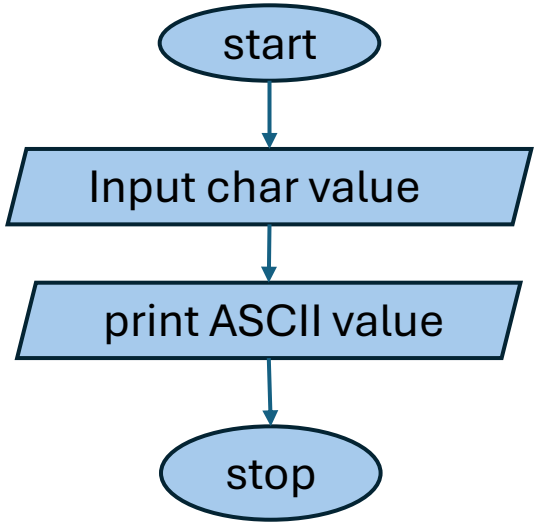


4. Print ASCII value

- *Pseudocode*

Step1. Start
Step2. Input char value
Step3. Display ASCII value
Step4. Stop

- *Flowchart*



5. Print multiplication table

- *Algorithm*

Step1. Start

Step2. Input n

Step3. Let m, i=1

Step4. If i<=10 go to step 5 otherwise go to 8

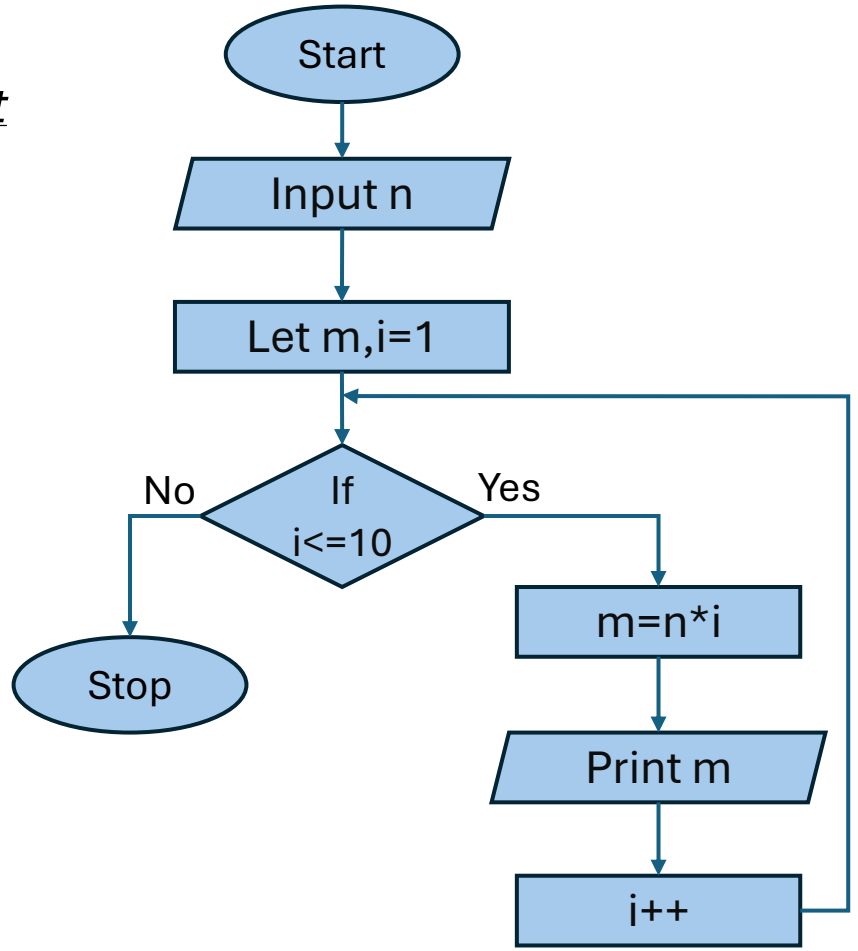
Step5. m=n*I

Step6. Print m

Step7. i++ ,go to step 4

Step8. Stop

- *Flowchart*



6. Calculate simple interest

- *Pseudocode*

Step1. Stert

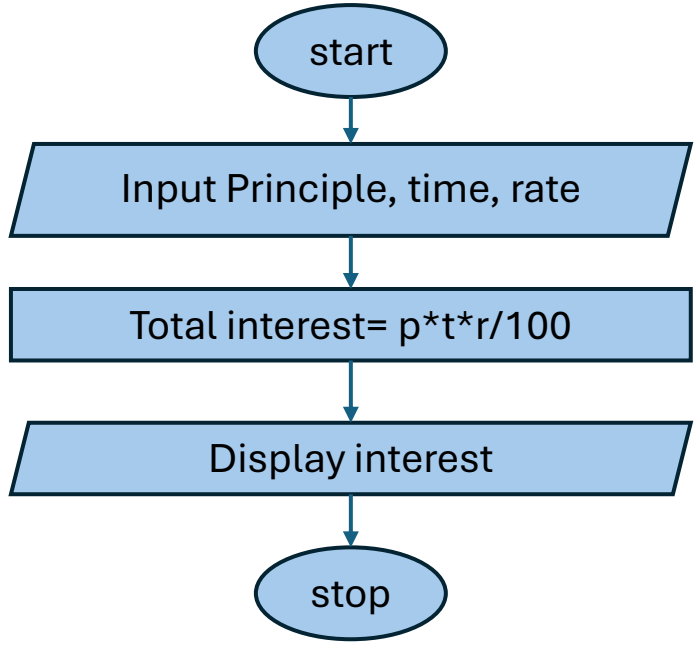
Step2. Input principal, time ,rate

Step3. Total interest= p*t*r/100

Step4. Display Total interest

Step5. Stop

- *Flowchart*



7.Calculate area of a circle

- *Pseudocode*

Step1. Start

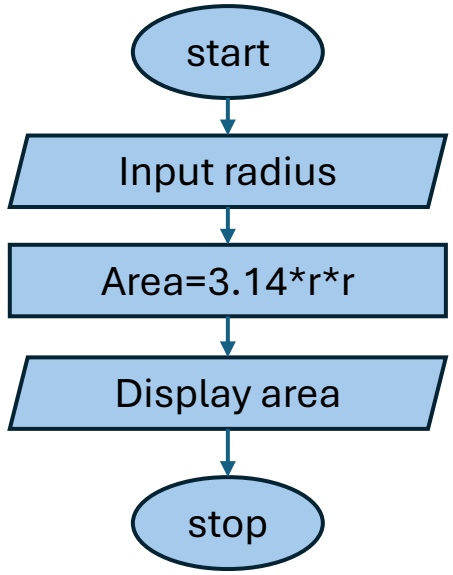
Step2. Input Radius

Step3. area=3.14*r*r

Step4. Display area

Step5. stop

- *Flowchart*



8.Calculate temperature in °C and °F from °F and °C respectively

- *Pseudocode*

Step1. Start

Step2. Input °F,°C

Step3. Let fr,cn

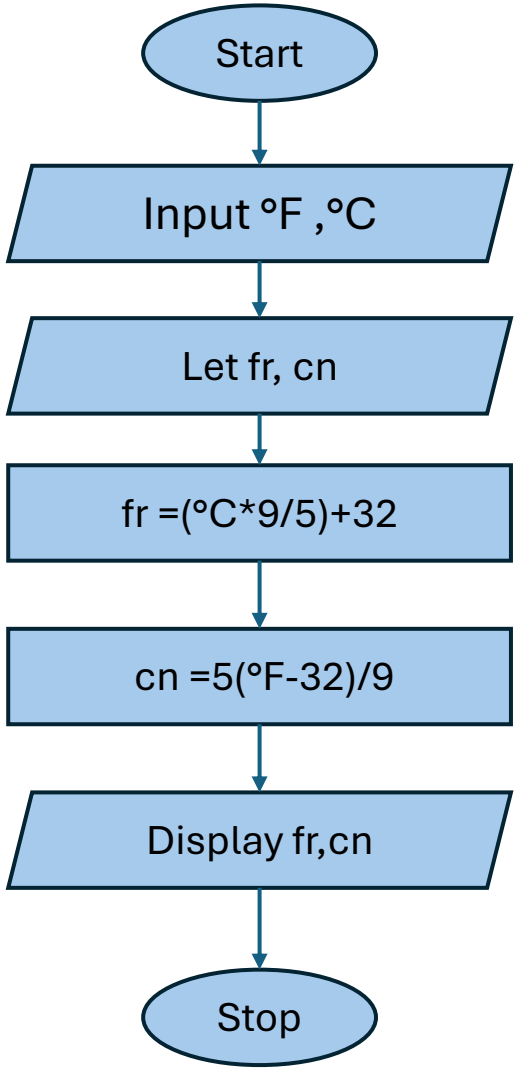
Step4. fr=(°C*9/5)+32

Step5. cn=5(°F-32)/9

Step6. Display fr,cn

Step7. Stop

- *Flowchart*



9.Swaping btw two no with variable. 10 . Without varible

- *Pseudocode*

Step1. Start

Step2. Input l,h

Step3. Let=t, l=h, h=t

Step4. Display l,h

Step5. Stop

10.

Step1. Start

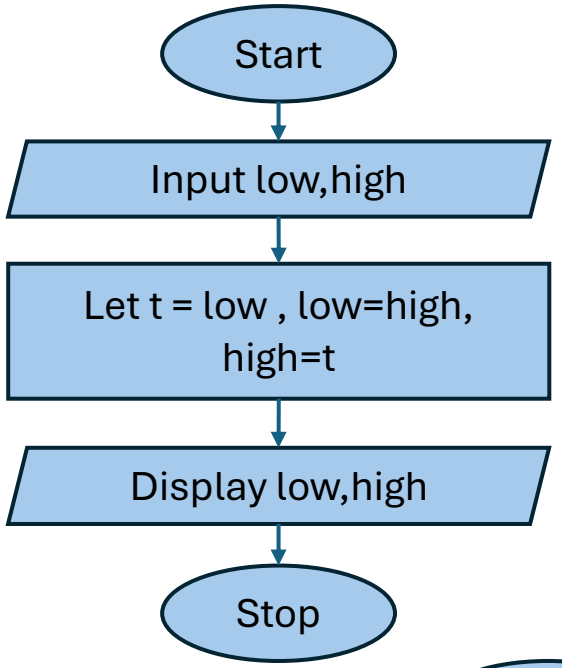
Step2. Input l,h

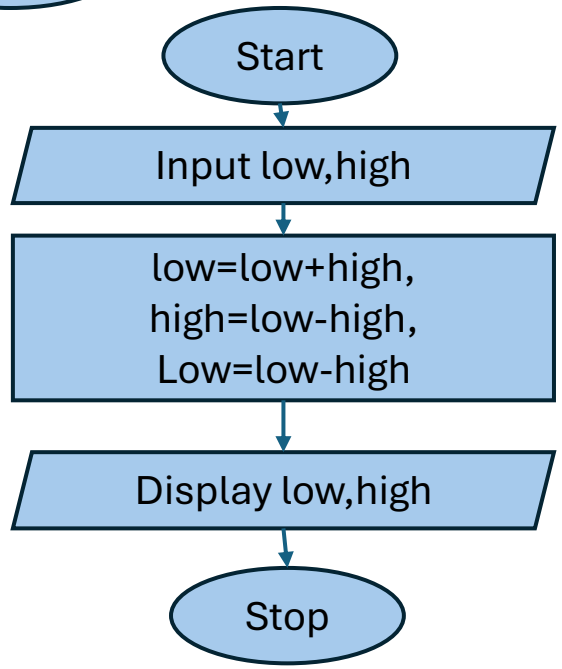
Step3. l=l+h, h=l-h, l=l-h

Step4. Display l,h

Step5. Stop

- *Flowchart*





11. Find last digit of a no a)with modulus b)without modulus

- *Pseudocode*

Step1. Start

Step2. Input n

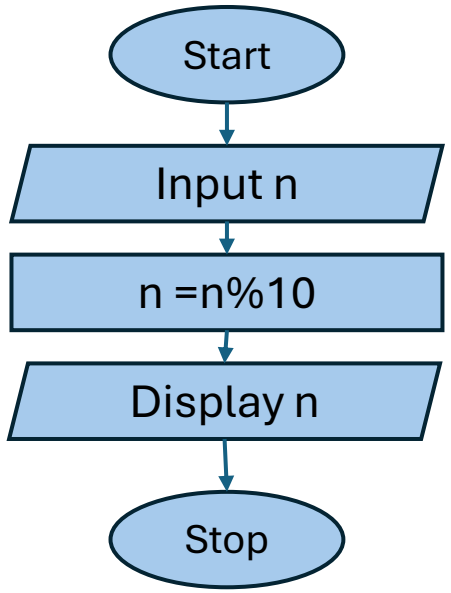
Step3. n=n%10

Step4. Display n

Step5. Stop

- *Flowchart*

a)



- *Pseudocode*

Step1. Start

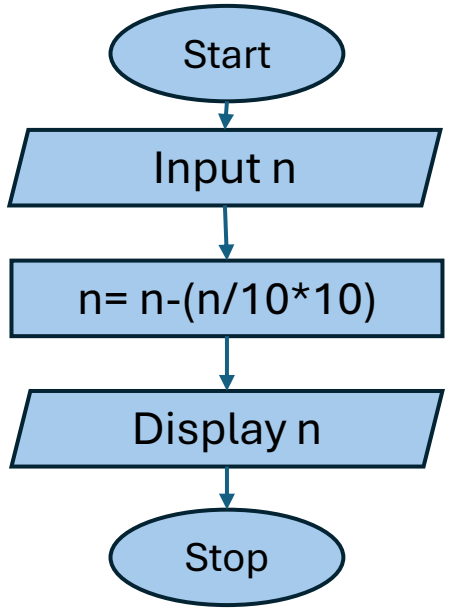
Step2. Input n

Step3. n=n-(n/10*10)

Step4. Display n

Step5. Stop

b)



12. Calculate compound interest

- *Pseudocode*

Step1. Start

Step2. Input p,r,n,t

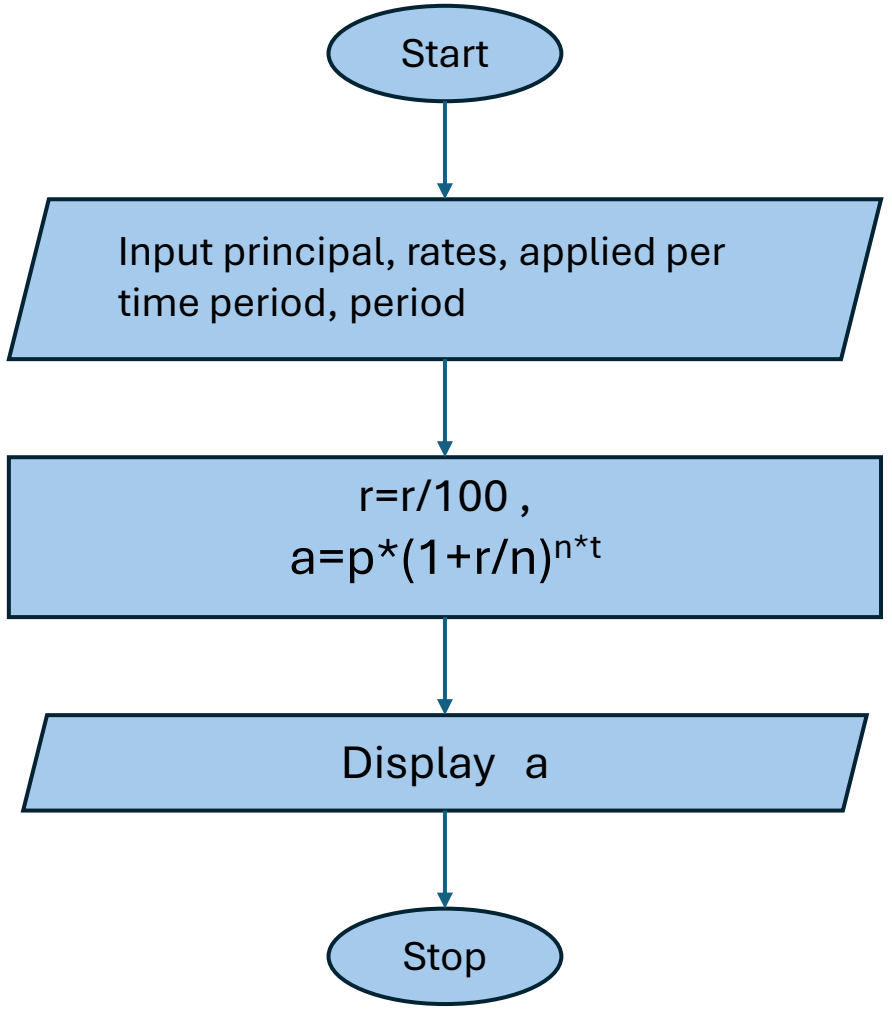
Step3. r=r/100

$a=p*(1+r/n)^{n*t}$

Step4. Display a

Step5. Stop

- *Flowchart*



13. Calculate area and peremeter of a rectengular

- *Pseudocode*

Step1. Start

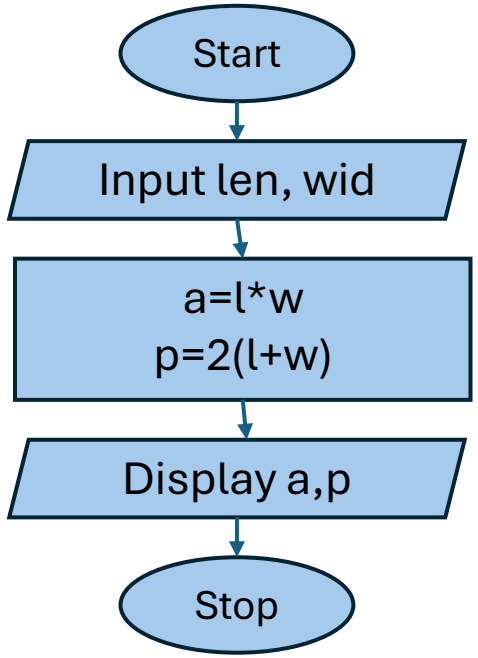
Step2. Input l,w

Step3. a=l*w, p=2(l+w)

Step4. Display a,p

Step5. Stop

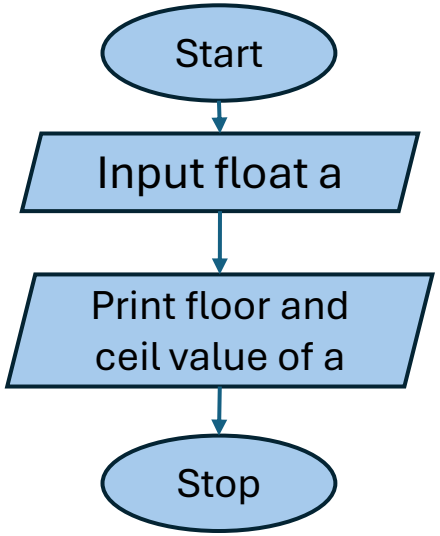
- *Flowchart*



14. Find floor and ceil value

Step1. Start
Step2. Input a
Step3. Print floor and ceil value of a
Step4. Stop

- *Flowchart*



15.Calculate quadratic equation

- *Algorithm*

Step1. Start

Step2. Input a,b,

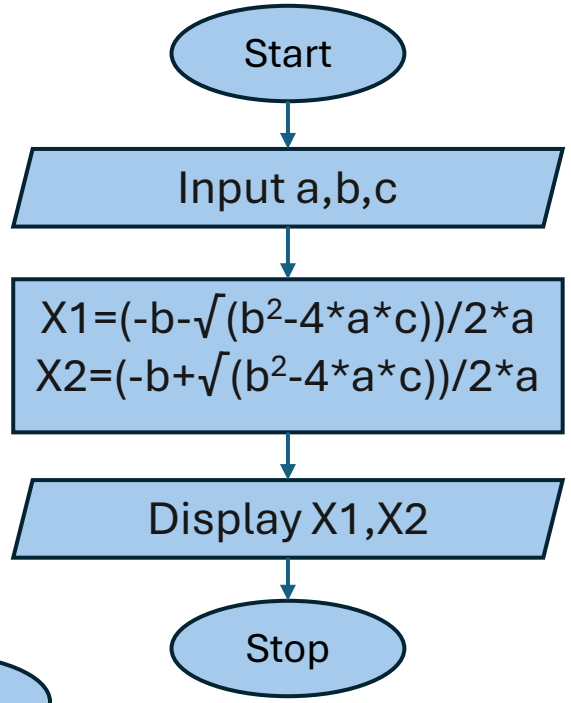
Step3. X1=(-b-√(b²-4*a*c))/2*a

X2=(-b+√(b²-4*a*c))/2*a

Step4. Display X1,X2

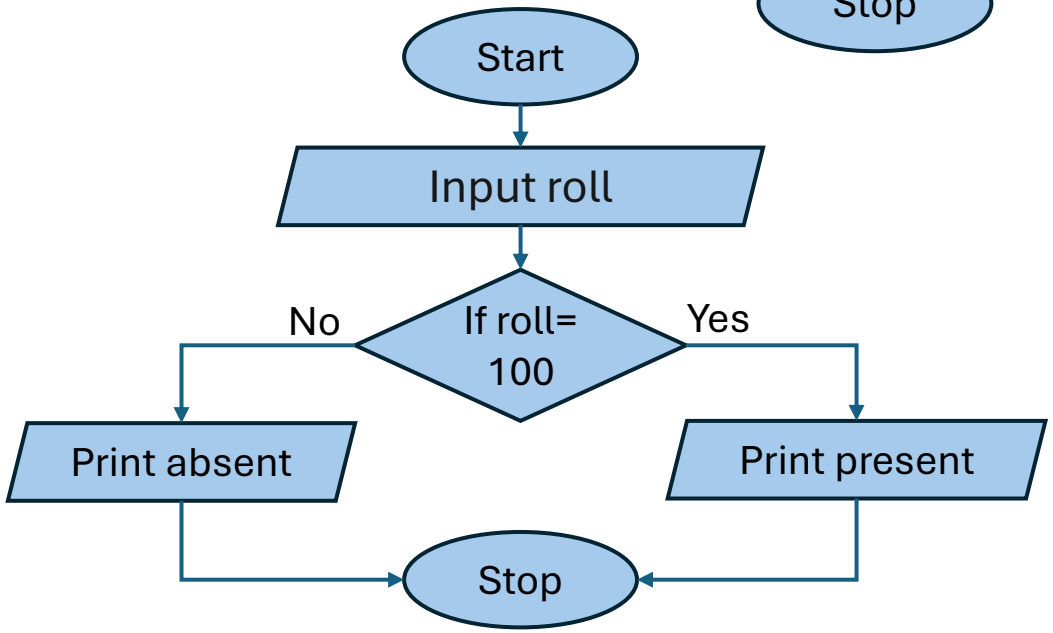
Step5. Stop

- *Flowchart*



16. Check roll 100 present or not

Step1. Start
Step2. Input roll
Step3. If roll=100 go to 4 step otherwise go to step 5
Step4. Print present go to step 6
Step5. Print absent
Step6. Stop



17. Check a no even or odd

- *Algorithm*

Step1. Start

Step2. Input a

Step3. If a%2==0 , go to step 4

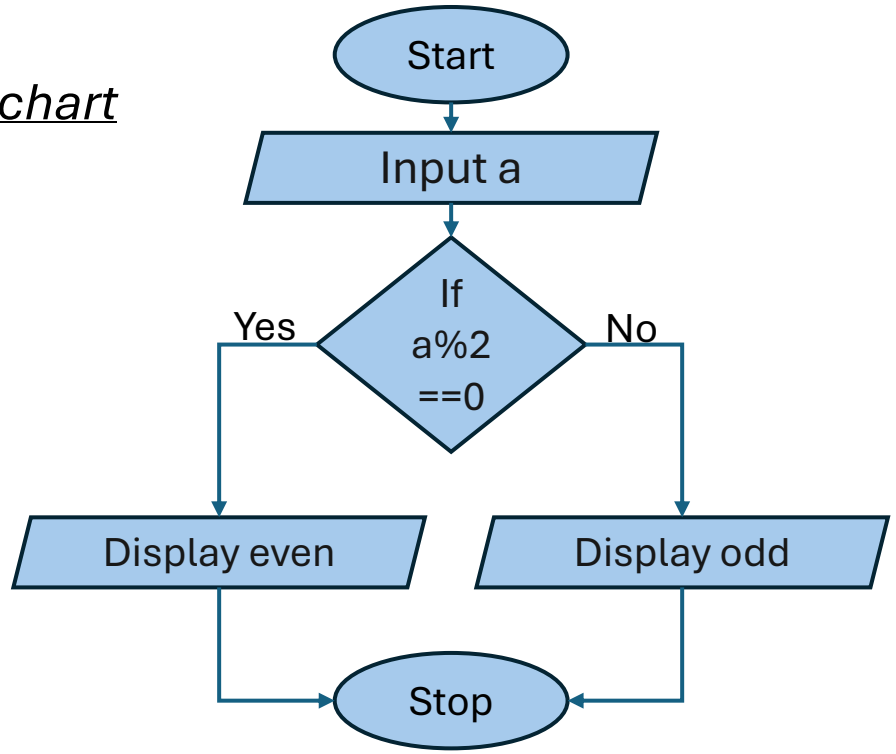
otherwise go to step 5

Step4. Display even , go to step 6

Step5. Display odd

Step6. Stop

- *Flowchart*



18. Greater between two no

- *Algorithm*

Step1. Start

Step2. Input a.b

Step3. If a>b then go to step 4

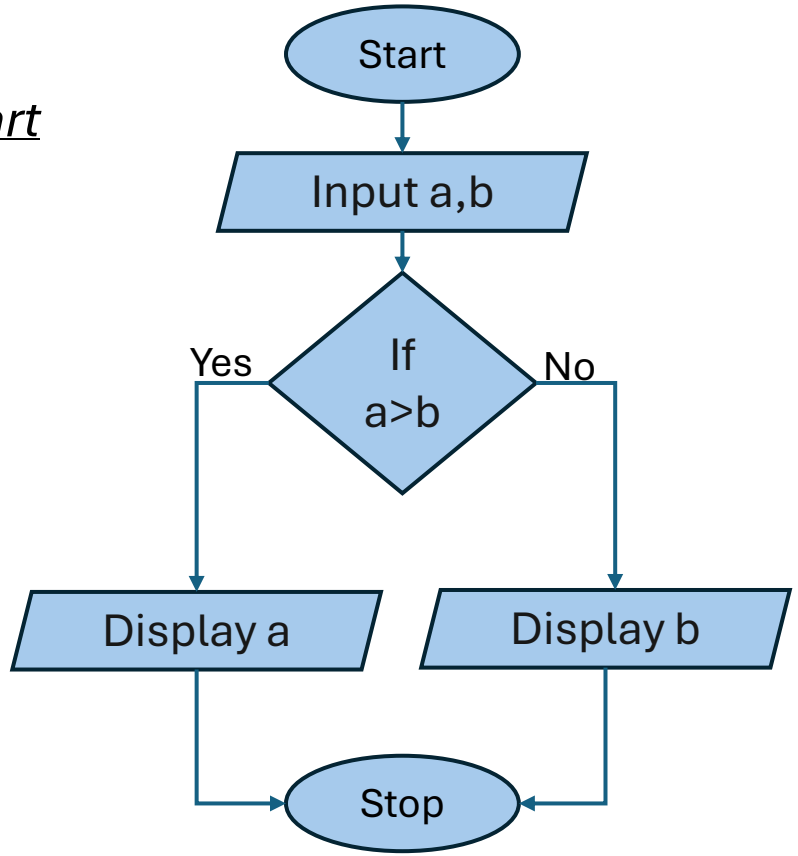
otherwise go to step 5

Step4. Display a, go to Step 6

Step5. Display b

Step6. Stop

- *Flowchart*



19. Tossed coin Head or teil

- *Algorithm*

Step1. Start

Step2. Input toss

Step3. If toss==H , go to step 4

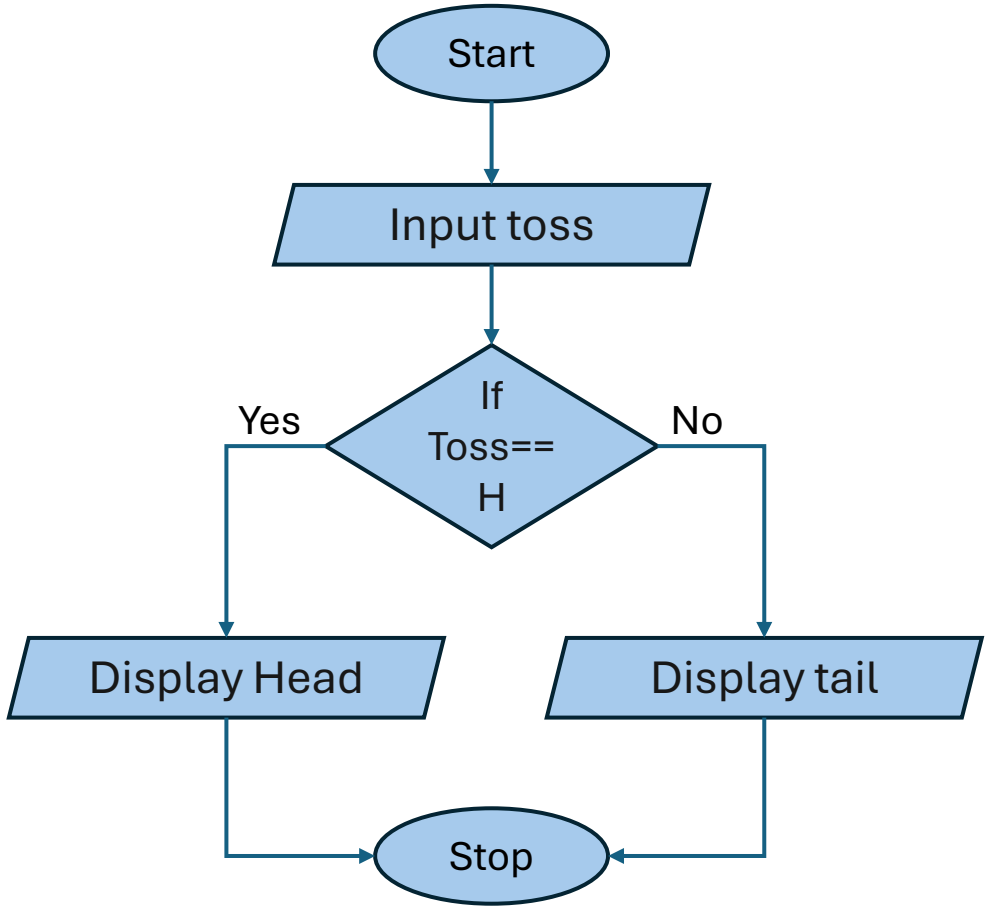
otherwise go to step 5

Step4. Display Head, go to step 6

Step5. Display Tail

Step6. Stop

- *Flowchart*



20. Check a no if it is whole or not

- *Algorithm*

Step1. Start

Step2. Input float a

Step3. Let int b

Step4. If a>=0& a=b go to step 5

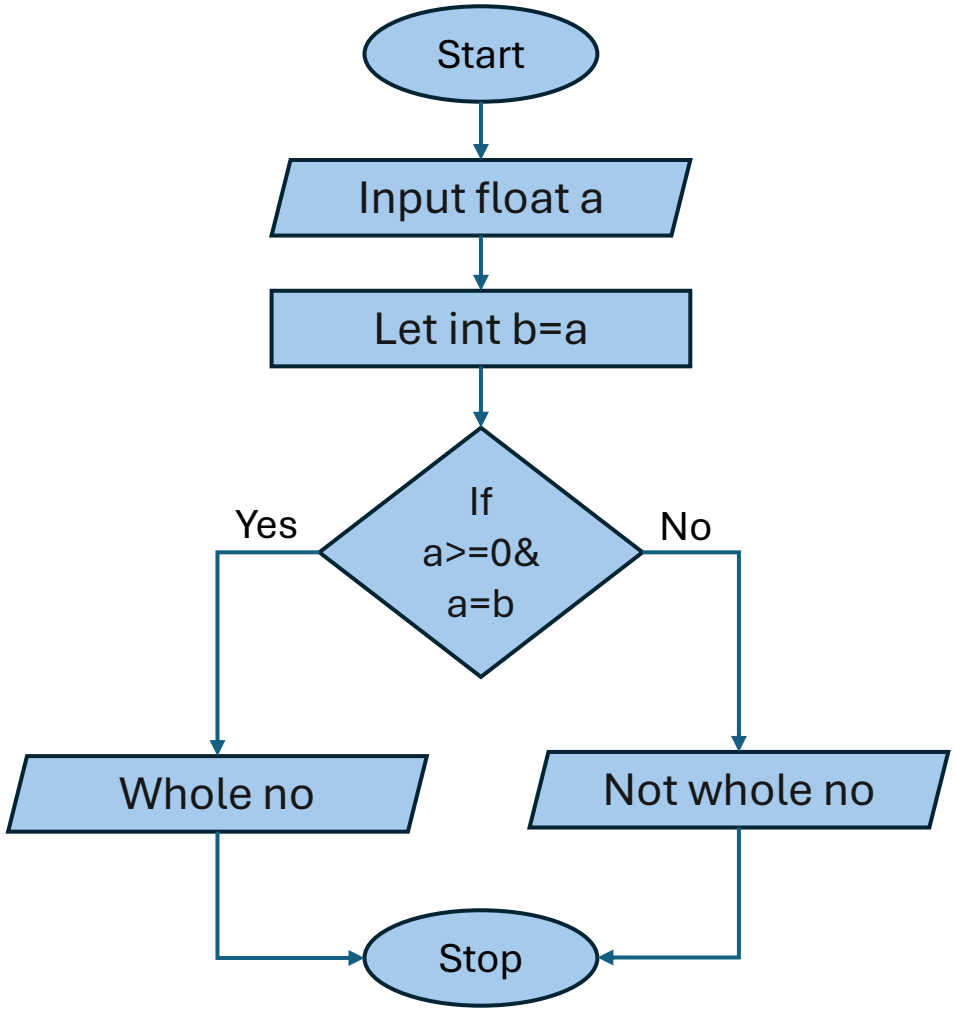
Otherwise go to step 6

Step5. Print whole no, go to step 7

Step6. Print not whole no

Step7. Stop

- *Flowchart*



21. Check leap year or not

- *Algorithm*

Step1. Start

Step2. Input year

Step3. If y%400=0 go to step 5

otherwise go to step 4

Step4. If y%100!=0 & y%4=0 go to step 5

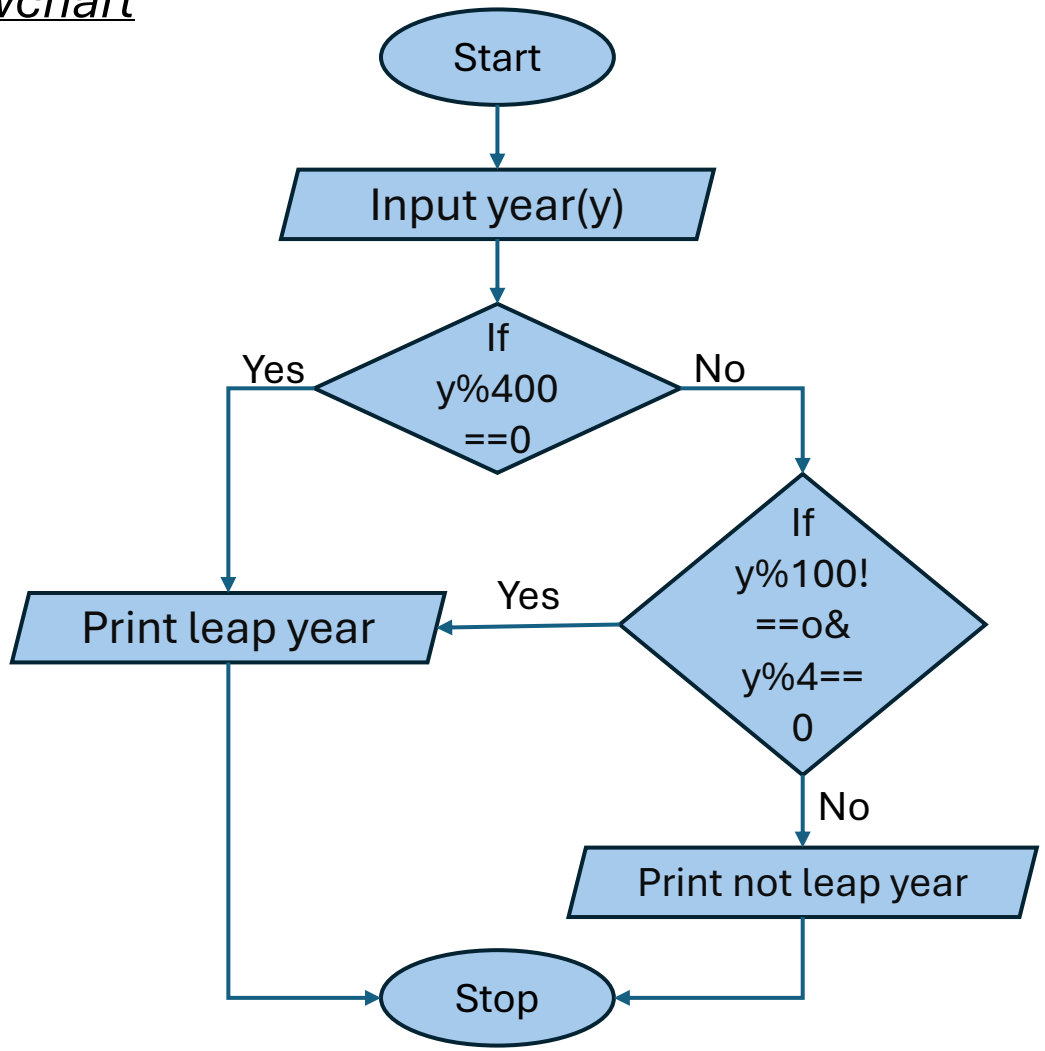
otherwise go to step 6

Step5. Print leap year go to step 7

Step6. Print not leap year

Step7. Stop

- *Flowchart*



22. Greatest between three no

- *Algorithm*

Step1. Start

Step2. Input a,b,c

Step3. If a>b go to step 4

otherwise go to step 5

Step4. If a>c go to step 6

otherwise go to 8

Step5. If b>c go to step 7

otherwise go to step 8

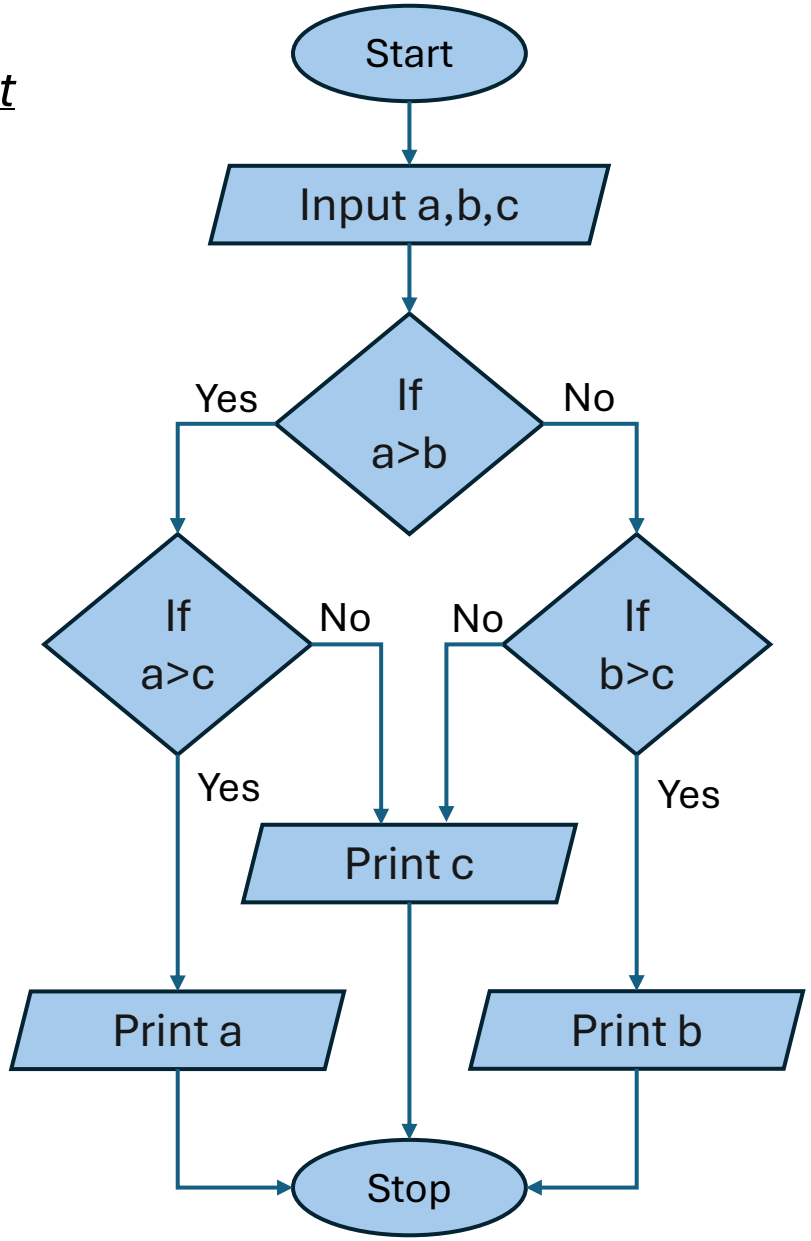
Step6. Print a , go to step 9

Step7. Print b , go to step 9

Step8. Print c

Step9. Stop

- *Flowchart*

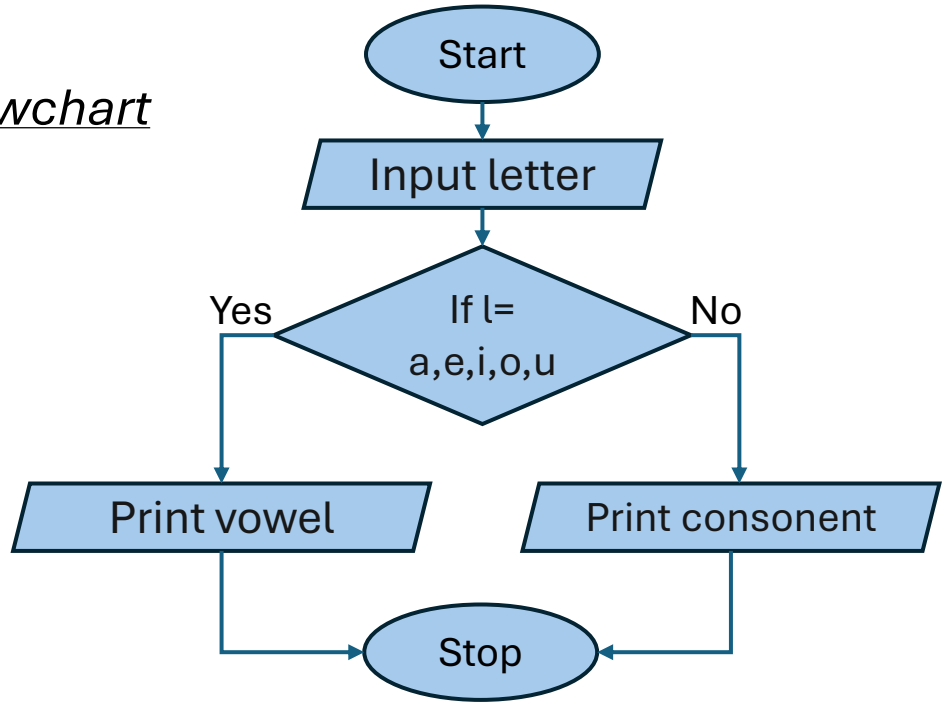


23. Check a letter vowel or consonent

- *Algorithm*

Step1. Start
Step2. Input letter
Step3. If l=a,e,i,o,u go to step 4
otherwise go to step 5
Step4. Print vowel, go to step 6
Step5. Print consonant
Step6. Stop

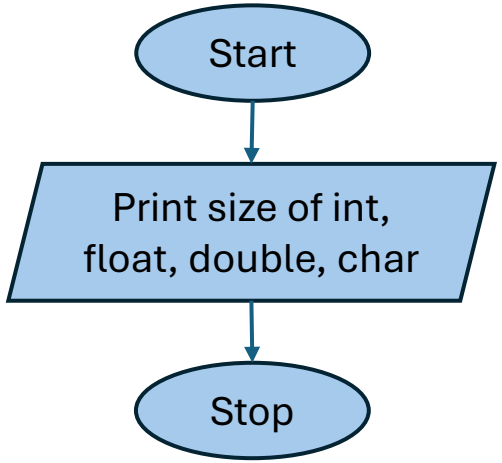
- *Flowchart*



24. Print size of int,float,double,char

Step1. Start
Step2. Print size of int, float, double, char
Step3, Stop

- *Flowchart*



25. Greatest between three no

- *Algorithm*

Step1. Start

Step2. Input a,b,c

Step3. If a>b go to step 4

otherwise go to step 5

Step4. If a>c go to step 6

otherwise go to 8

Step5. If b>c go to step 7

otherwise go to step 8

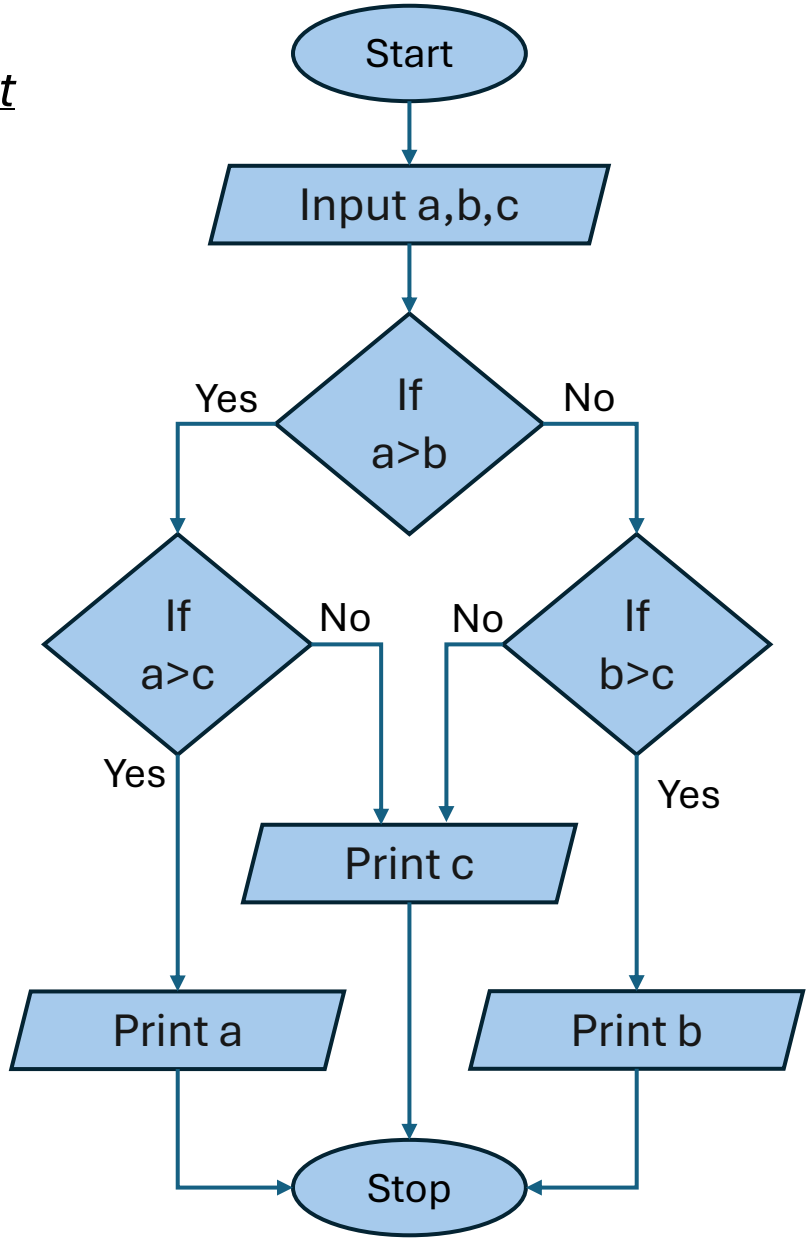
Step6. Print a , go to step 9

Step7. Print b , go to step 9

Step8. Print c

Step9. Stop

- *Flowchart*



26. Simple calculator using switch case

- *Algorithm*

Step1. Start

Step2. Input a,b,ope

Step3. If case '+' go to step 7 otherwise go to 4

Step4. If case '-' go to step 8 otherwise go to 5

Step5. If case '*' go to step 9 otherwise go to 6

Step6. If case '/' go to step 10 otherwise go to 11

Step7. Print a+b, go to step 12

Step8. Print a-b, go to step 12

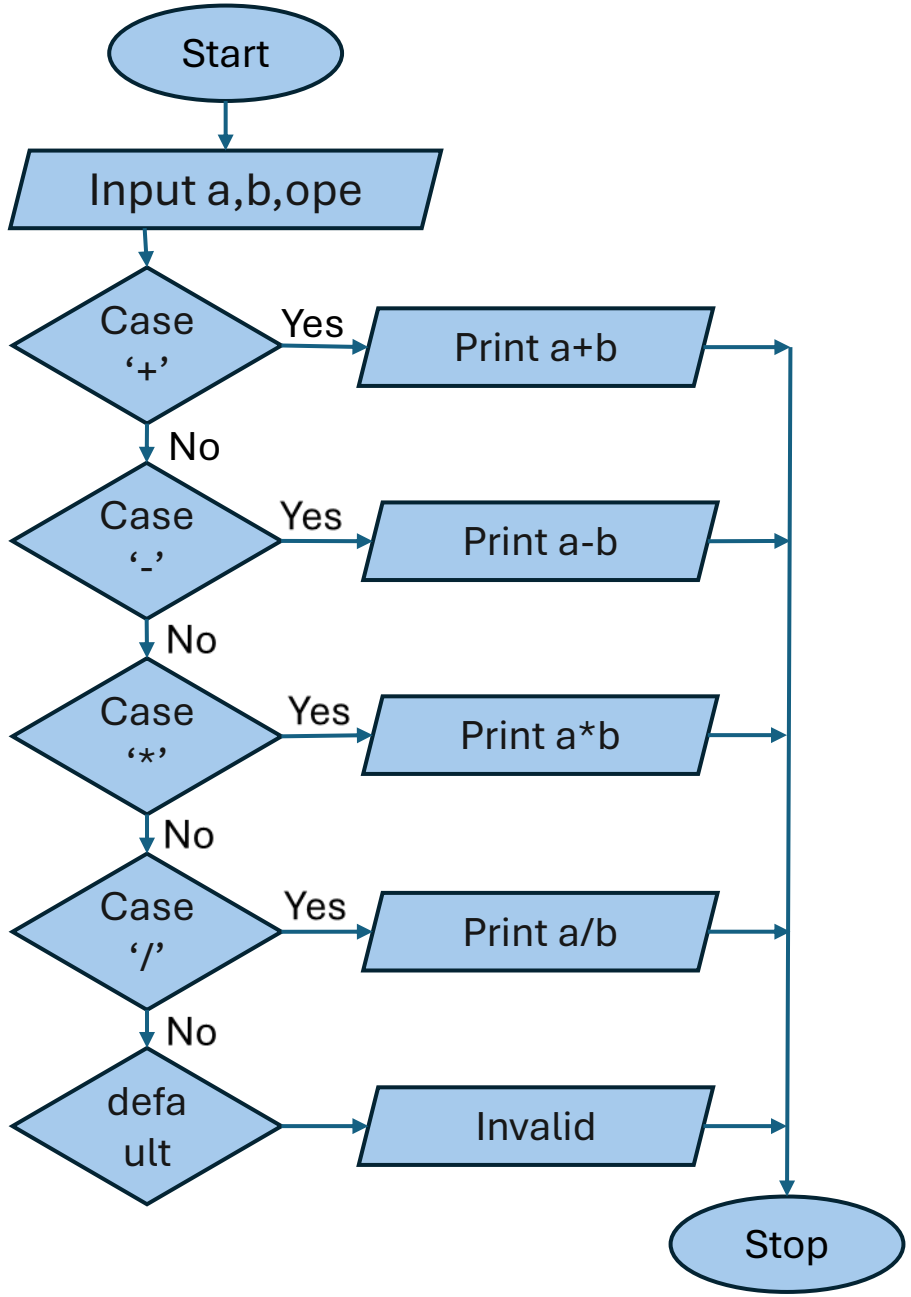
Step9. Print a*b, go to step 12

Step10. Print a/b, go to step 12

Step11. Print invalid

Step12. Stop

- *Flowchart*



27. Check letter vowel or consonant

- *Algorithm*

Step1. Start

Step2. Input letter

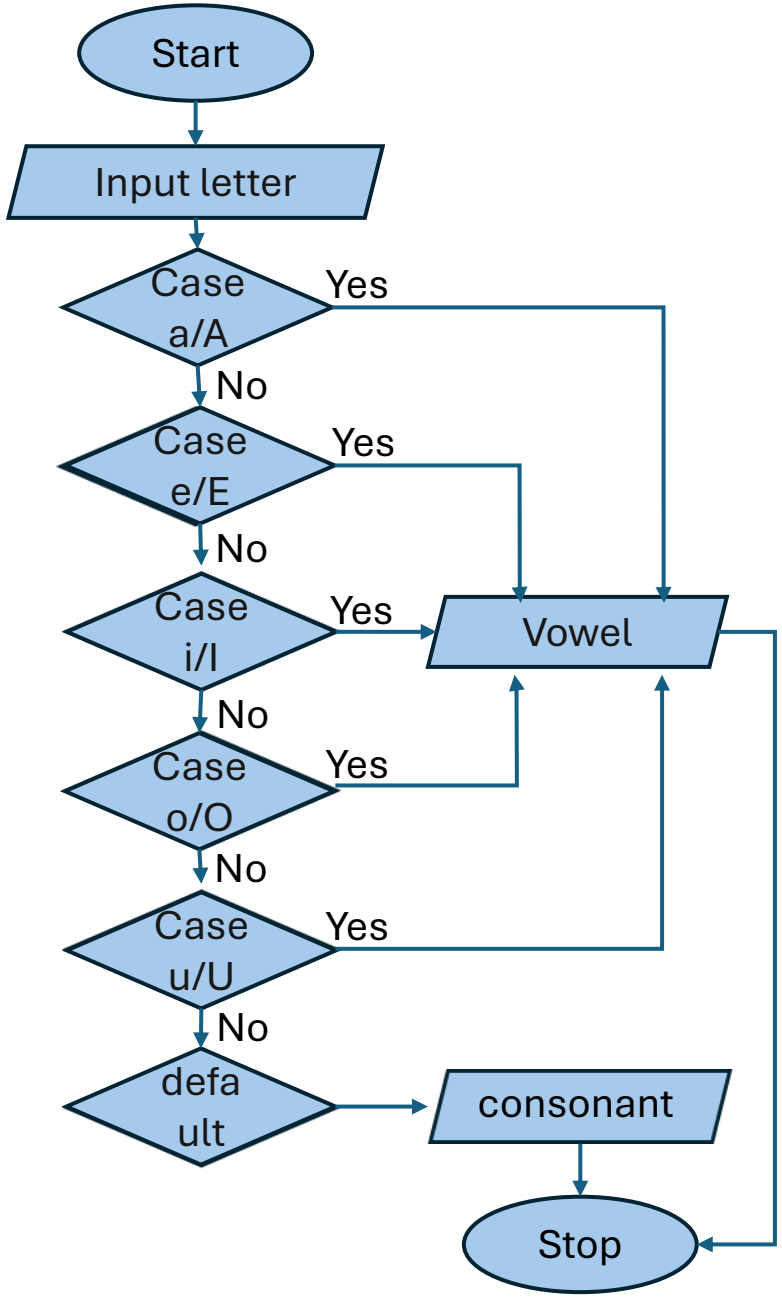
Step3. If case a/A/e/E/i/I/o/O/u/U go to step 4 otherwise go to step 5

Step4. Print vowel go to step 6

Step5. Print consonant

Step6. Stop

- *Flowchart*



28. Calculate final salary

- *Algorithm*

Step1. Start

Step2. Input salary

Step3. If s>=50000 go to step 5 otherwise go to 4

Step4. If s>=50000 go to step 6 otherwise go to 7

Step5. fs=s+(35*s)/100 , go to step 8

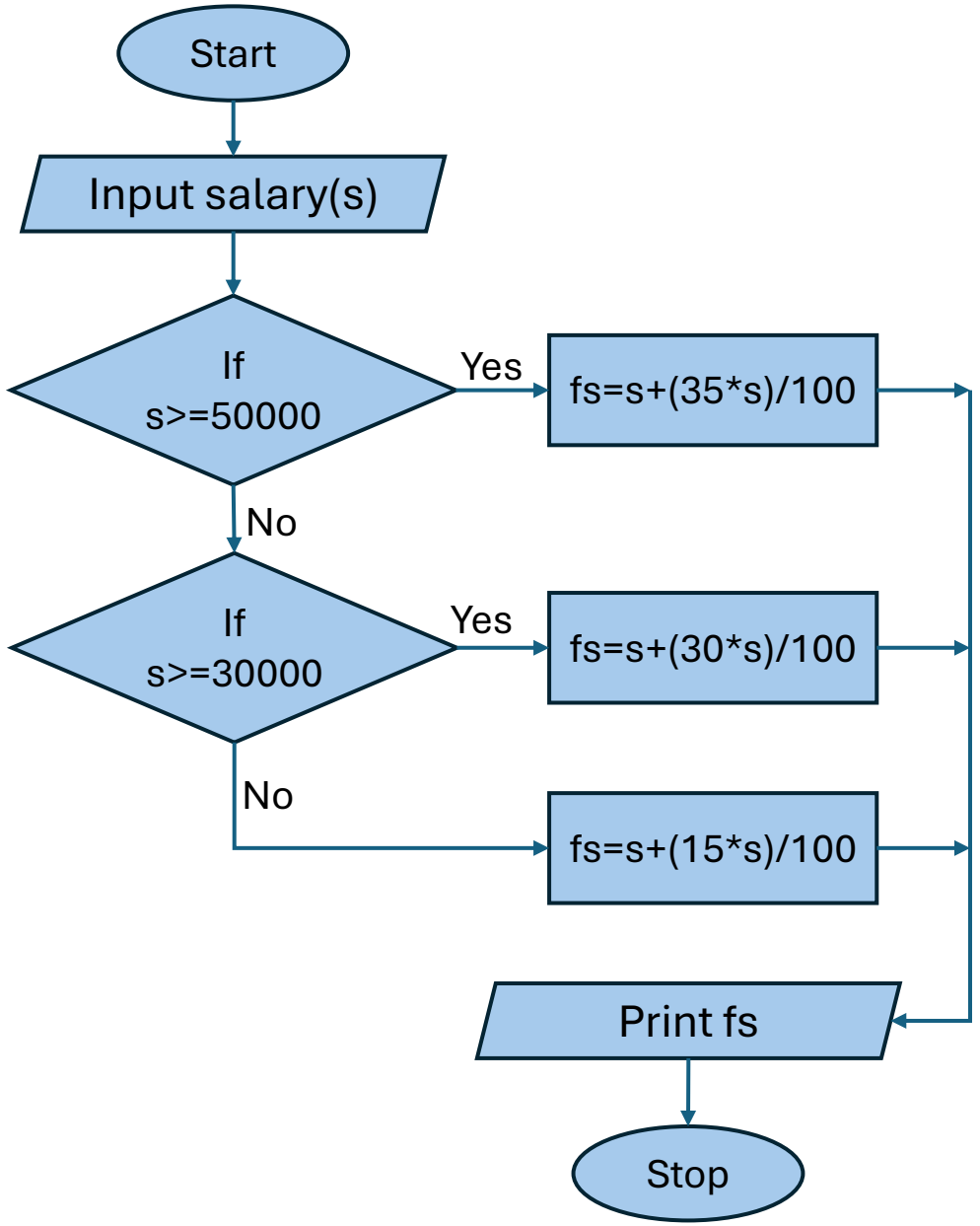
Step6. fs=s+(30*s)/100 , go to step 8

Step7. fs=s+(15*s)/100

Step8. Print fs

Step9. Stop

- *Flowchart*



29. Calculate electric bill

- *Algorithm*

Step1. Start

Step2. Input unit

Step3. If u<=100 go to 5 otherwise go to 4

Step4. If u<=200 go 6 to otherwise go to 7

Step5. c=u*5 go to step 8

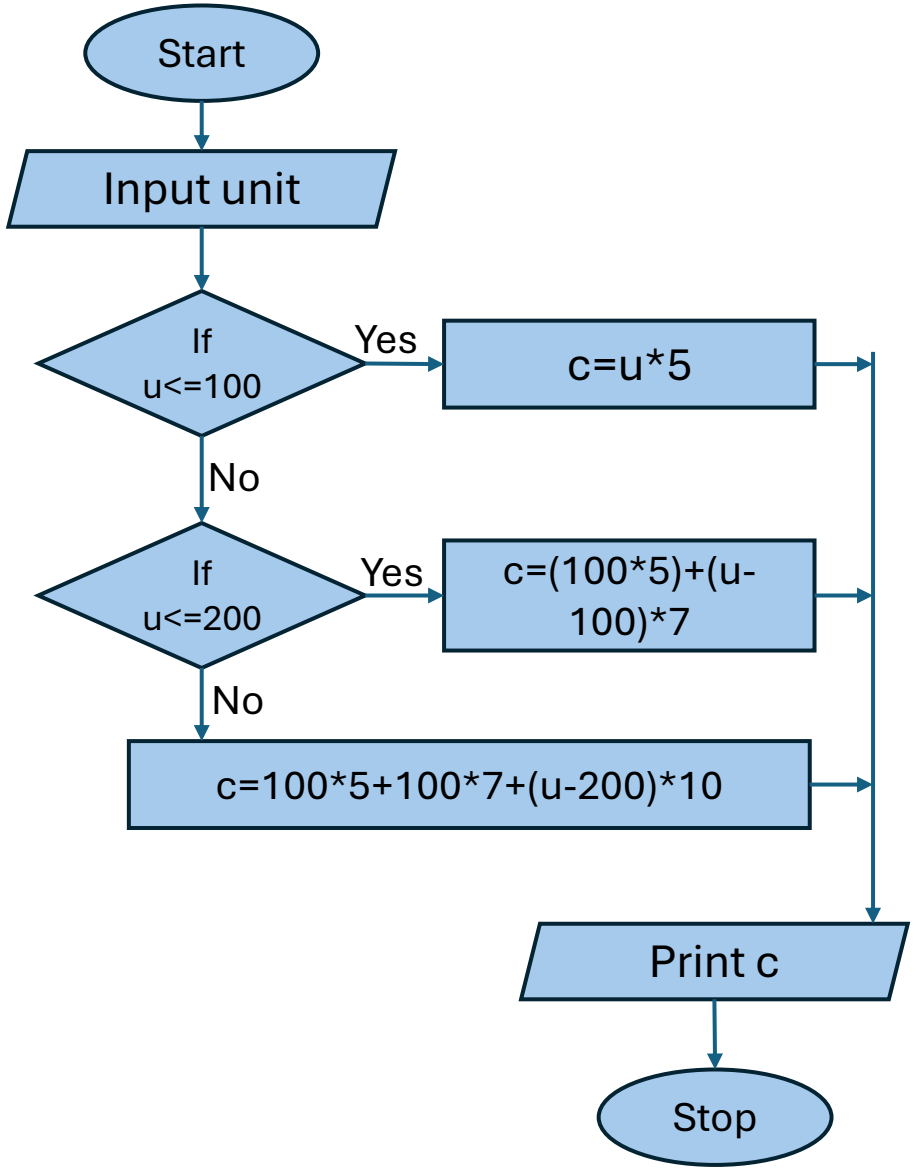
Step6. c=100*5+(u-100)*7 ,go to step 8

Step7. c=100*5+100*7+(u-200)*10

Step8. Print c

Step9. Stop

- *Flowchart*



30.Calculate grade

- *Algorithm*

Step1. Start

Step2. Input no

Step3. If n>=90 go to step 9 other go to step 4

Step4. If n>=90 go to step 10 other go to step 5

Step5. If n>=90 go to step 11 other go to step 6

Step6. If n>=90 go to step 12 other go to step 7

Step7. If n>=90 go to step 13 other go to step 8

Step8. If n>=90 go to step 14 other go to step 15

Step9. Print Grade O go to step 16

Step10. Print Grade A+ go to step 16

Step11. Print Grade A go to step 16

Step12. Print Grade B+ go to step 16

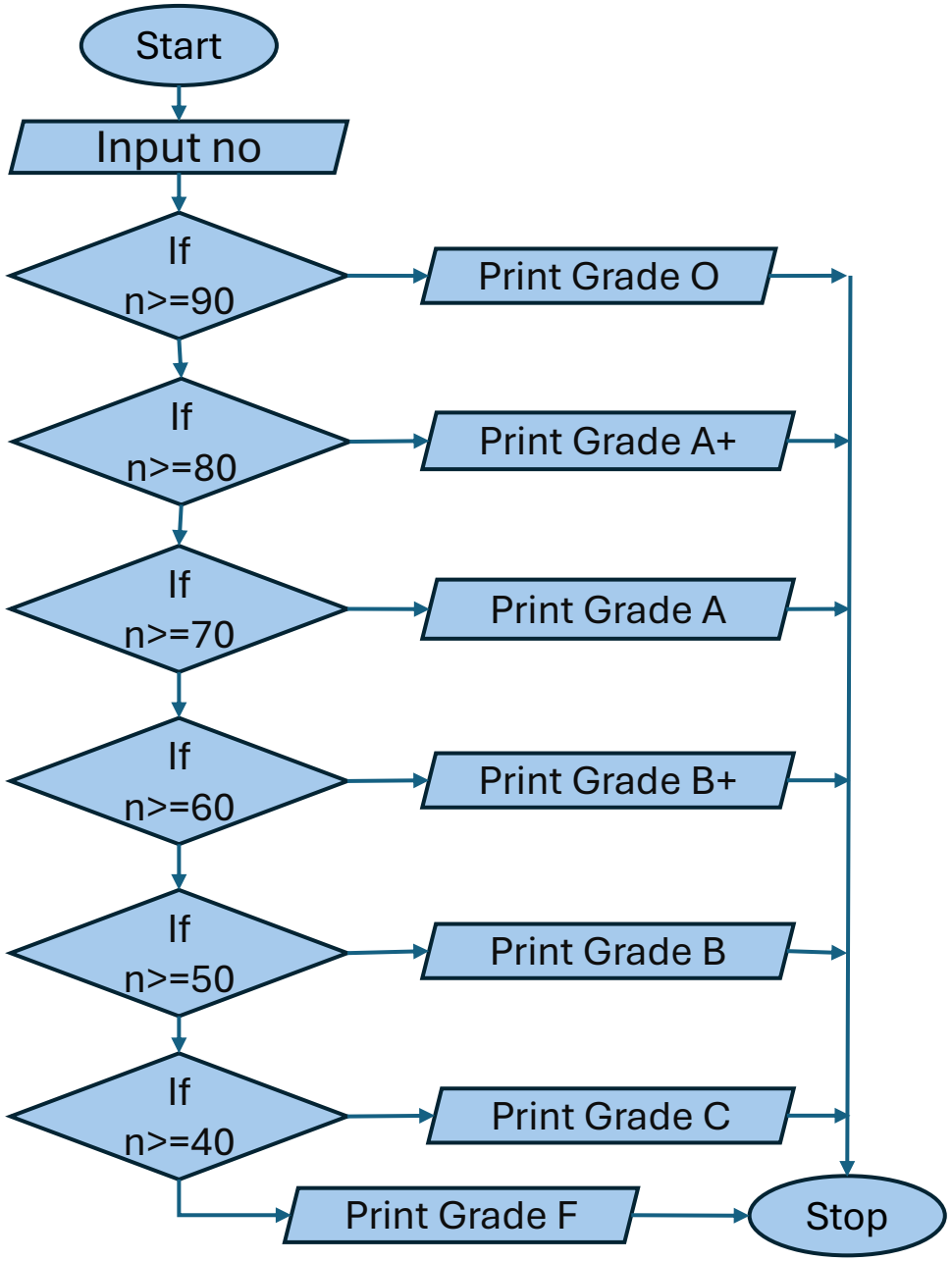
Step13. Print Grade B go to step 16

Step14. Print Grade C go to step 16

Step15. Print Grade F

Step16. Stop

- *Flowchart*



31. Print multiplication table

- *Algorithm*

Step1. Start

Step2. Input n

Step3. Let m, i=1

Step4. If i<=10 go to step 5 otherwise go to 8

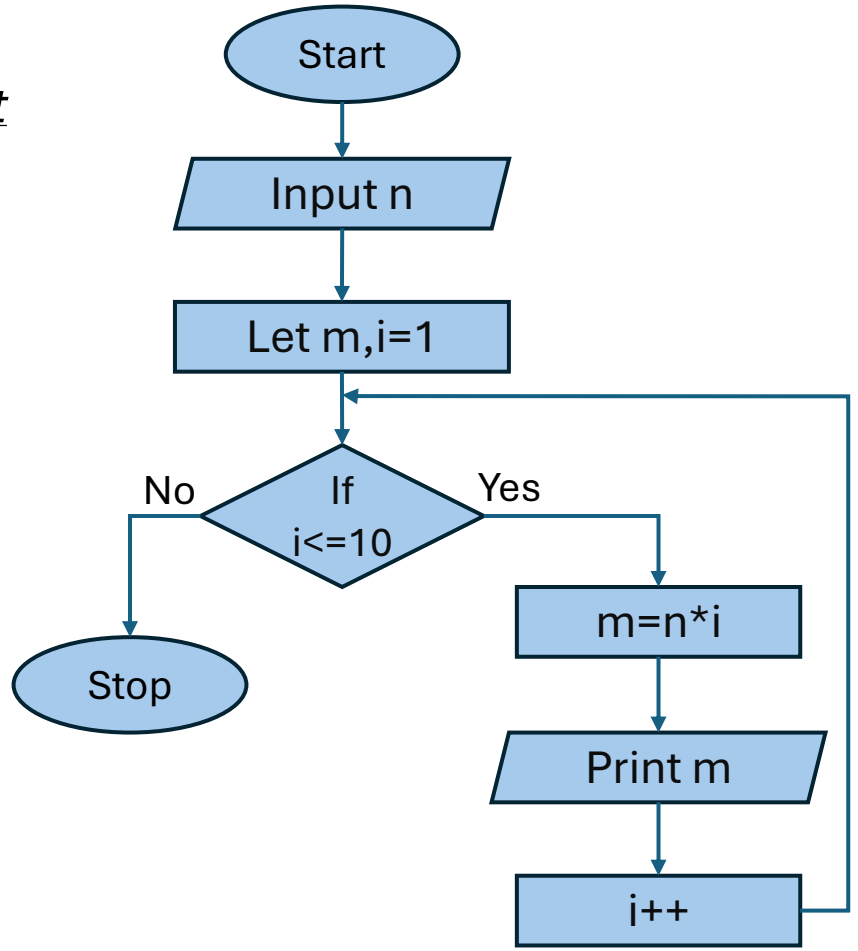
Step5. m=n*I

Step6. Print m

Step7. i++ ,go to step 4

Step8. Stop

- *Flowchart*



32. Print sum of first n natural no.

- *Algorithm*

Step1. Start

Step2. Input n

Step3. Let i=1,s=0

Step4. If i<=n go to step 5 otherwise go to 7

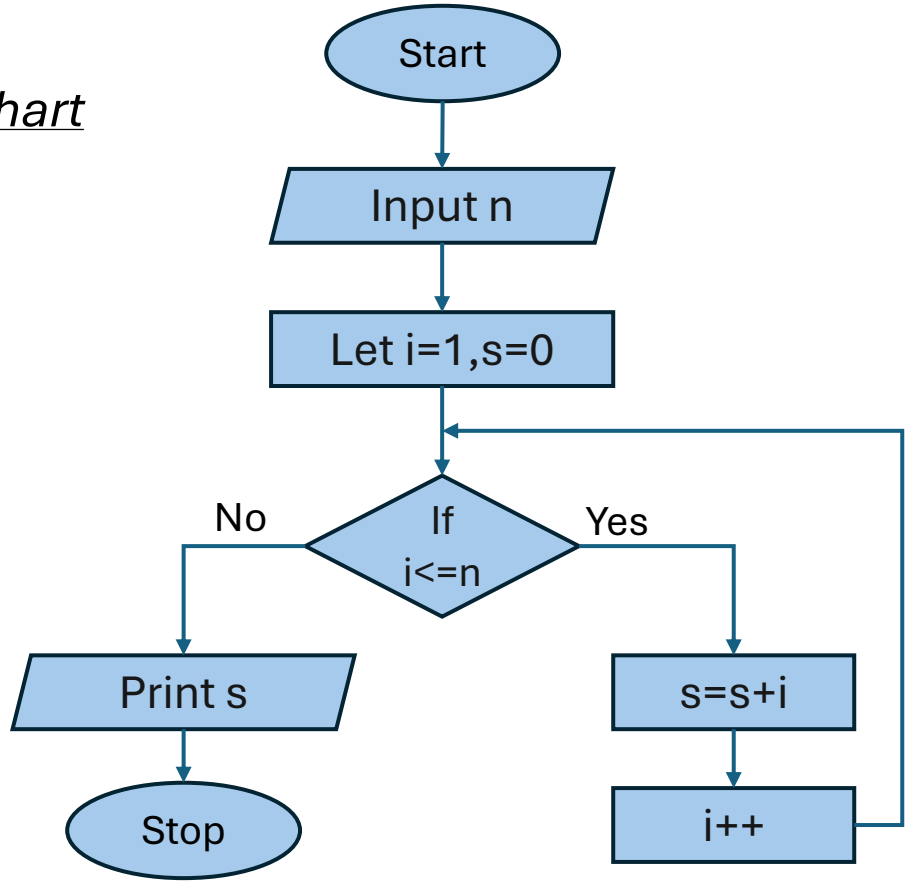
Step5. s=s+i

Step6. i++ , go to step 4

Step7. Print s

Step8. Stop

- *Flowchart*



33. Print factorial of a no.

- *Algorithm*

Step1. Start

Step2. Input n

Step3. Let i=1,f=1

Step4. If i<=n go to step 5 otherwise go to 7

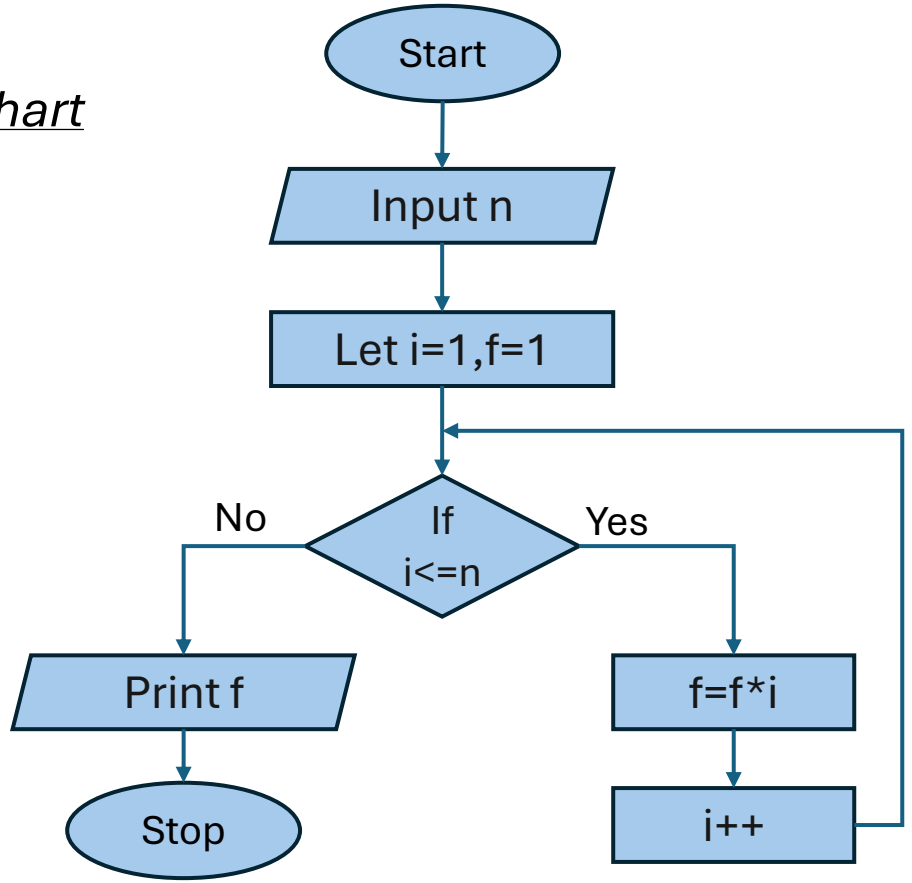
Step5. f=f*i

Step6. i++ , go to step 4

Step7. Print f

Step8. Stop

- *Flowchart*



34. Print feubonaci series

- *Algorithm*

Step1. Start

Step2. Input n

Step3. Let n1=0, n2=1, i=3,n3

Step4. Print n1,n2

Step5. if i<=n go to step 6 otherwise go to step 10

Step6. n3=n1+n2

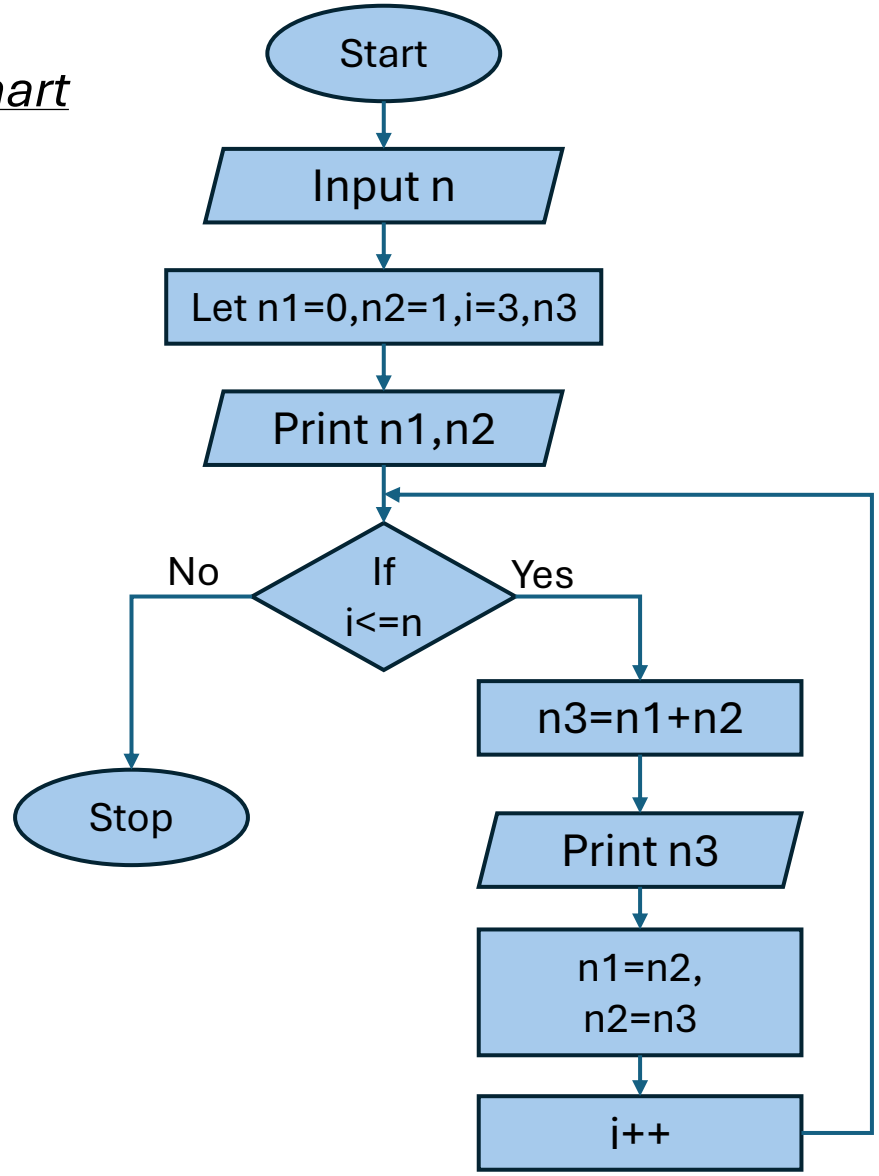
Step7. print n3

Step8. n1=n2, n2=n3

Step9. i++ ,go to step 5

Step10. Stop

- *Flowchart*



35.