Write an algorithm to print all natural numbers up to n

Step 1: Start

Step 2: get n value.

Step 3: initialize i=1

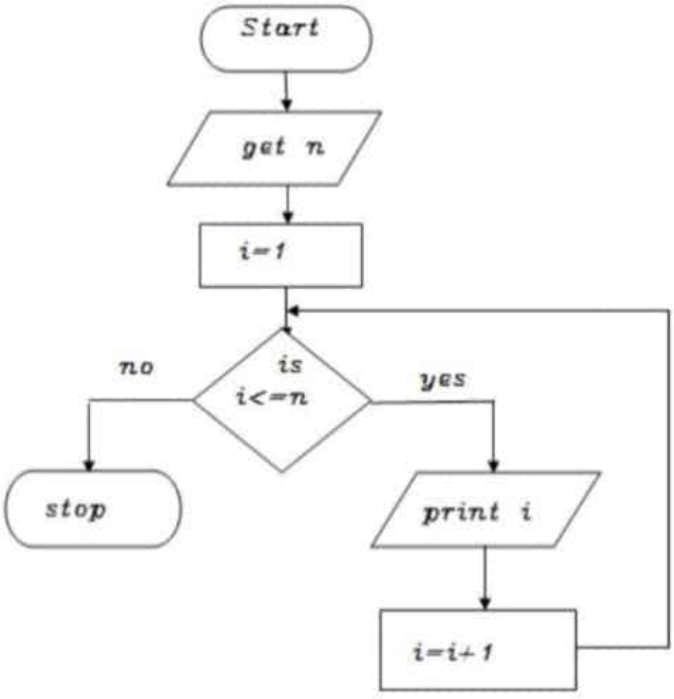
Step 4: if (i<=n) go to step 5 else go to step 8

Step 5: Print i value

step 6 : increment i value by 1

Step 7: go to step 4

Step 8: Stop



BEGIN

GET n

INITIALIZE i=1

WHILE(i<=n) DO

PRINT i

i=i+1

ENDWHILE

END

Write an algorithm to check whether given number is +ve, -ve or zero.

Step 1: Start

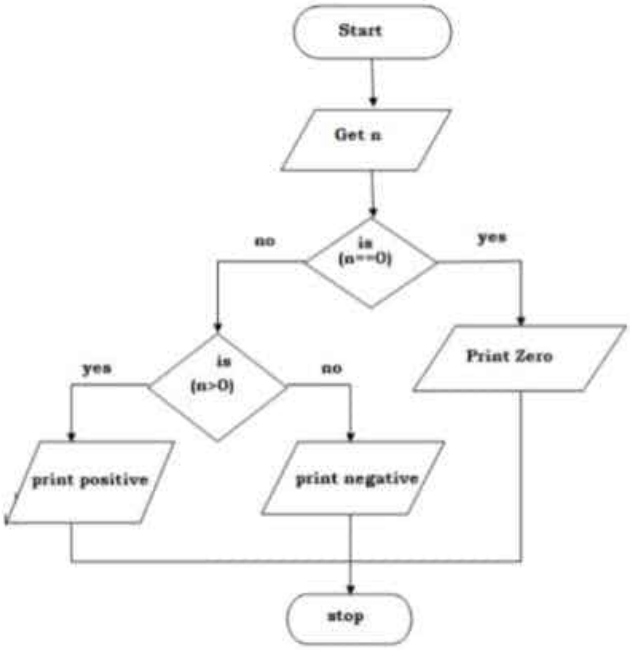
Step 2: Get n value.

Step 3: if (n ==0) print "Given number is Zero" Else goto step4

Step 4: if (n > 0) then Print "Given number is +ve"

Step 5: else Print "Given number is -ve"

Step 6: Stop



BEGIN

GET n

IF(n==0) THEN

DISPLAY " n is zero"

ELSE

IF(n>0) THEN

DISPLAY "n is positive"

ELSE

DISPLAY "n is positive"

END IF

END IF

END

To check odd or even number

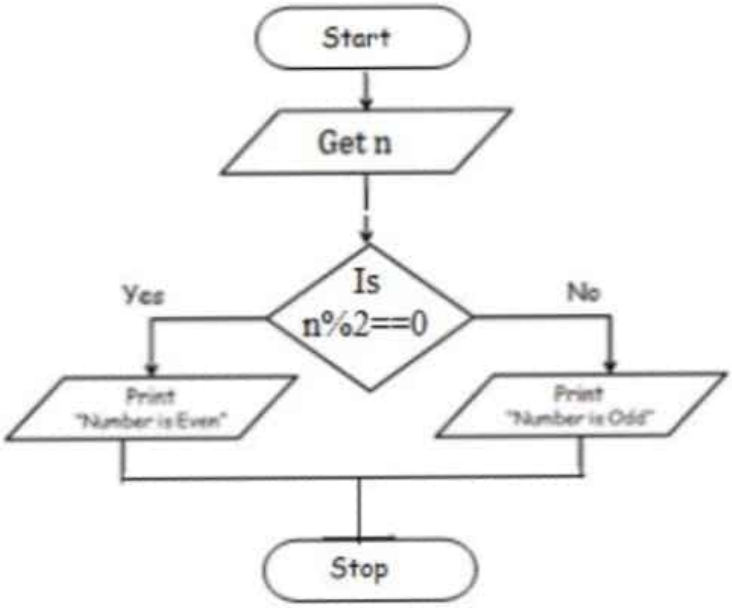
Step 1: Start

Step 2: get num

Step 3: check if(num%2==0) print num is even

Step 4: else num is odd

Step 5: Stop



BEGIN

READ num

IF (num%2==0) THEN

DISPLAY num is even

ELSE

DISPLAY num is odd

END IF

END

To check greatest of two numbers

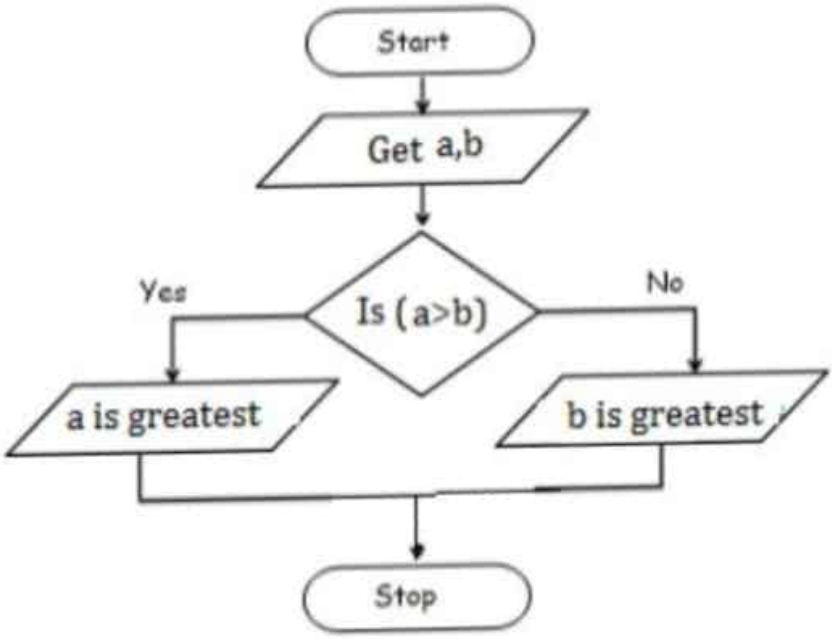
Step 1: Start

Step 2: get a,b value

Step 3: check if(a>b) print a is greater

Step 4: else b is greater

Step 5: Stop



BEGIN

READ a,b

IF (a>b) THEN

DISPLAY a is greater

ELSE

DISPLAY b is greater

END IF

END

Write an algorithm to print n odd numbers

Step 1: start

step 2: get n value

step 3: set initial value i=1

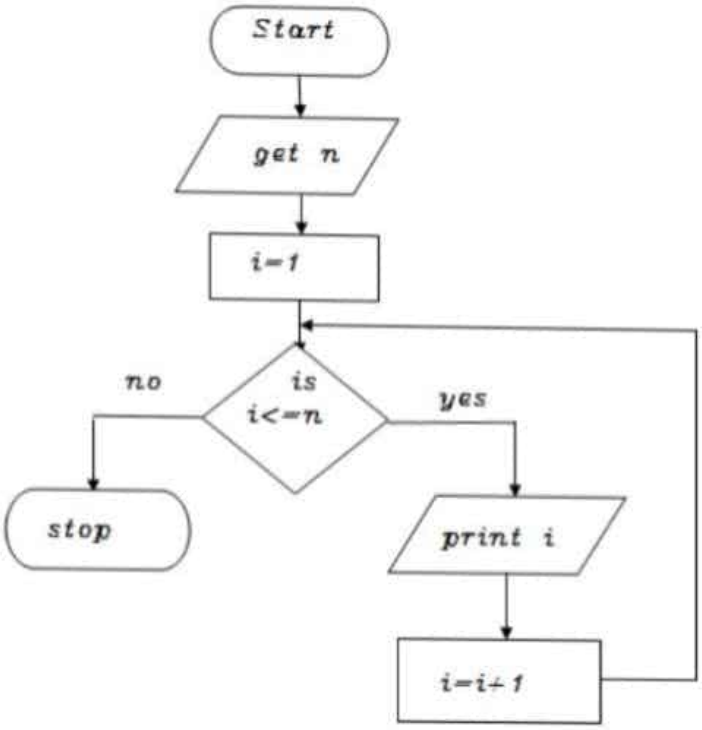
step 4: check if(i<=n) goto step 5 else goto step 8

step 5: print i value

step 6: increment i value by 2

step 7: goto step 4

step 8: stop



BEGIN

GET n

INITIALIZE i=1

WHILE(i<=n) DO

PRINT i

i=i+2

ENDWHILE

END