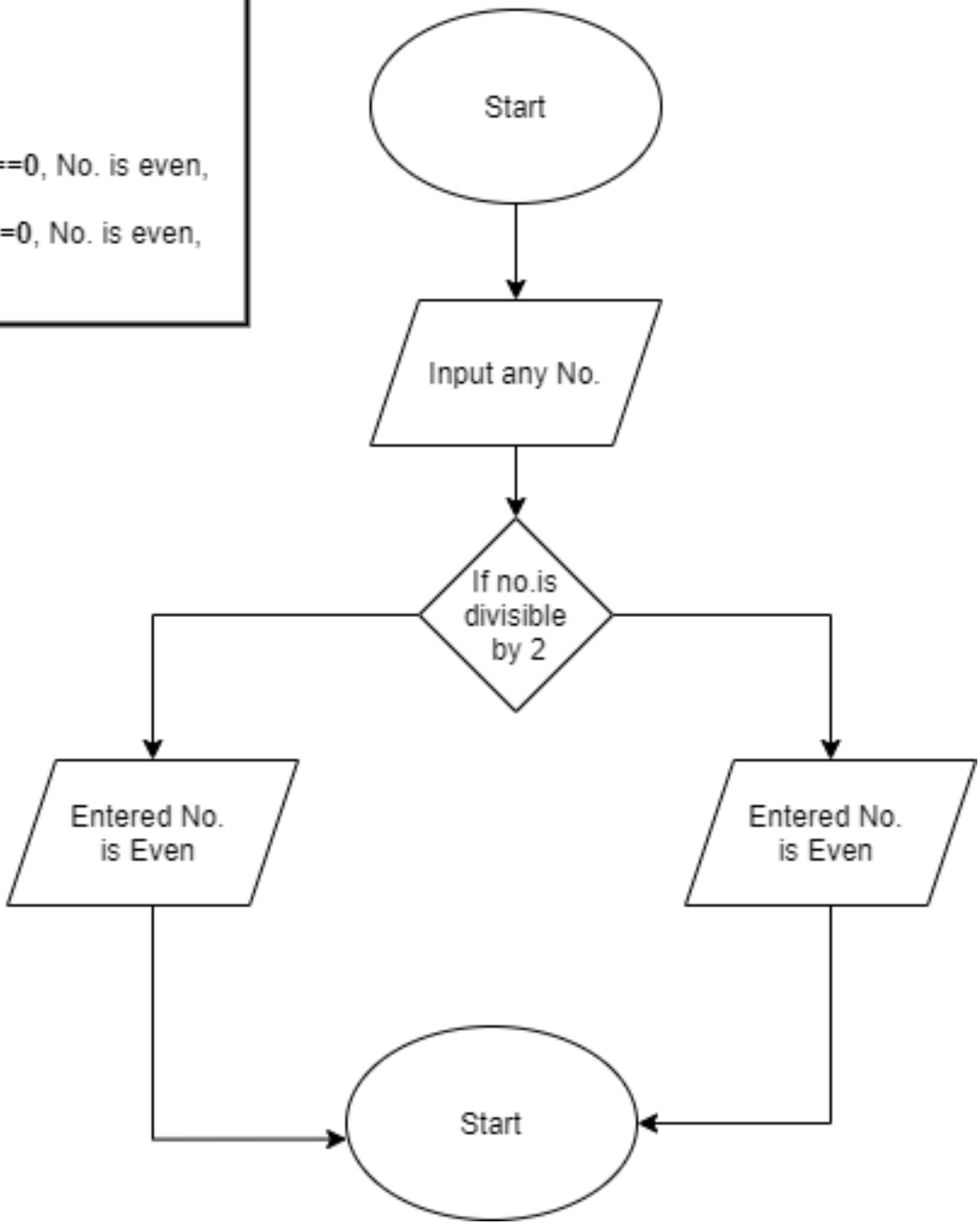
Odd and Even

Algorithm

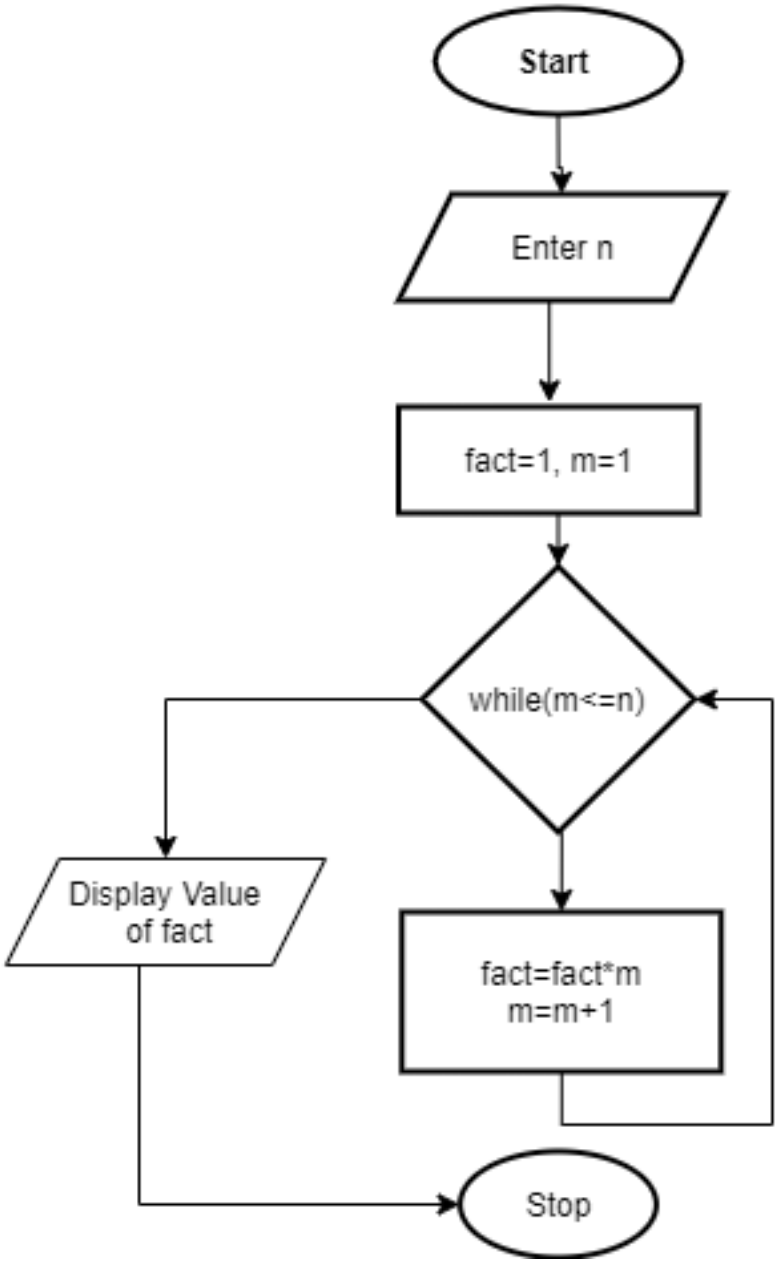
1. Start
2. Enter a No.
3. If Number divisible by **2==0**, No. is even, goto step **5**
4. If Number divisible by **2!=0**, No. is even, goto step **5**
5. Stop



Find Factorial

Algorithm

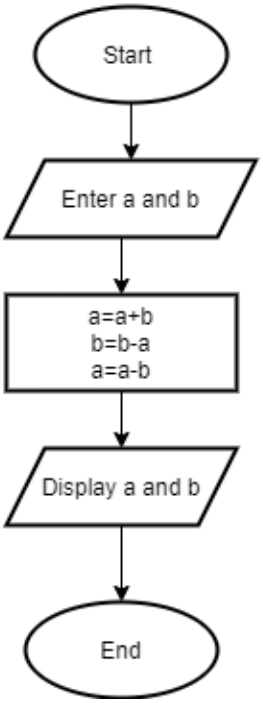
1.Start
2. Enter A no.-n
3. Fact=1 and m=1
4.Run a loop from m=1 to m.
5.Update VAlue of fact as fact=fact*m, and m=m+1
6.Execute loop for n times
7.Display value of fact
8. End



Swapping Without using 3rd Variable

Algorithm

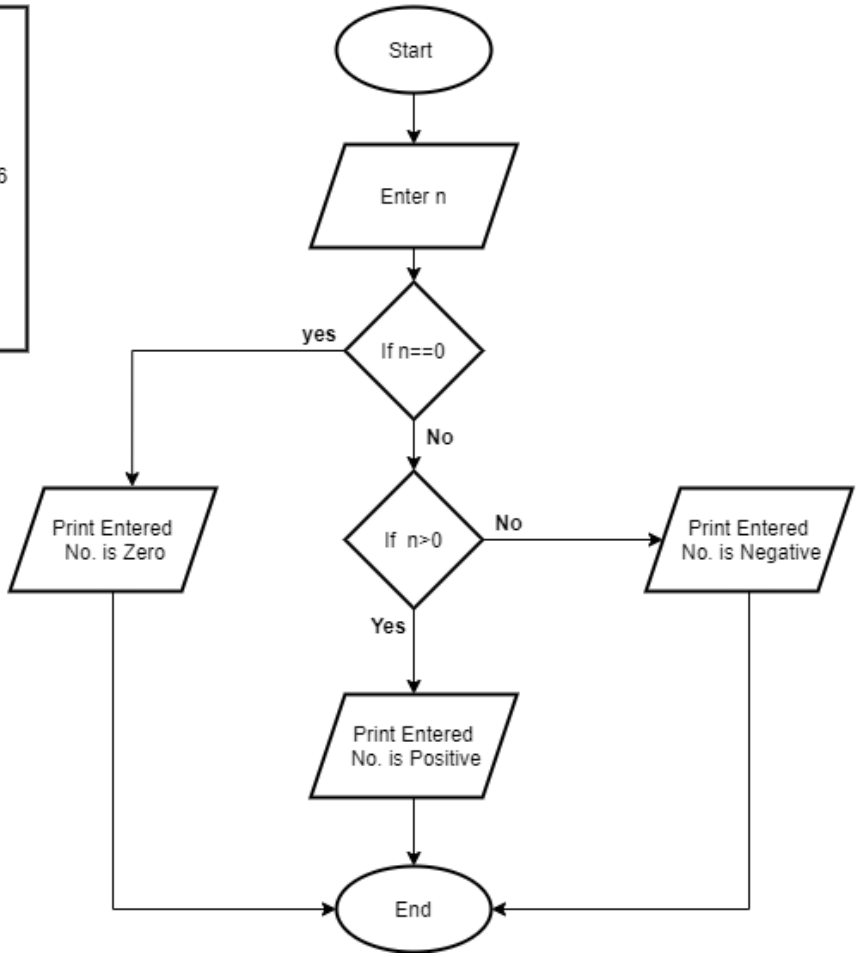
1. Start
2. Enter a and b
3. Perform a=a+b
4. Perform b=a-b
5. Perform a=a-b
6. Display Value of a and b
7. End



Check for Positive or Negative Number

Algorithm

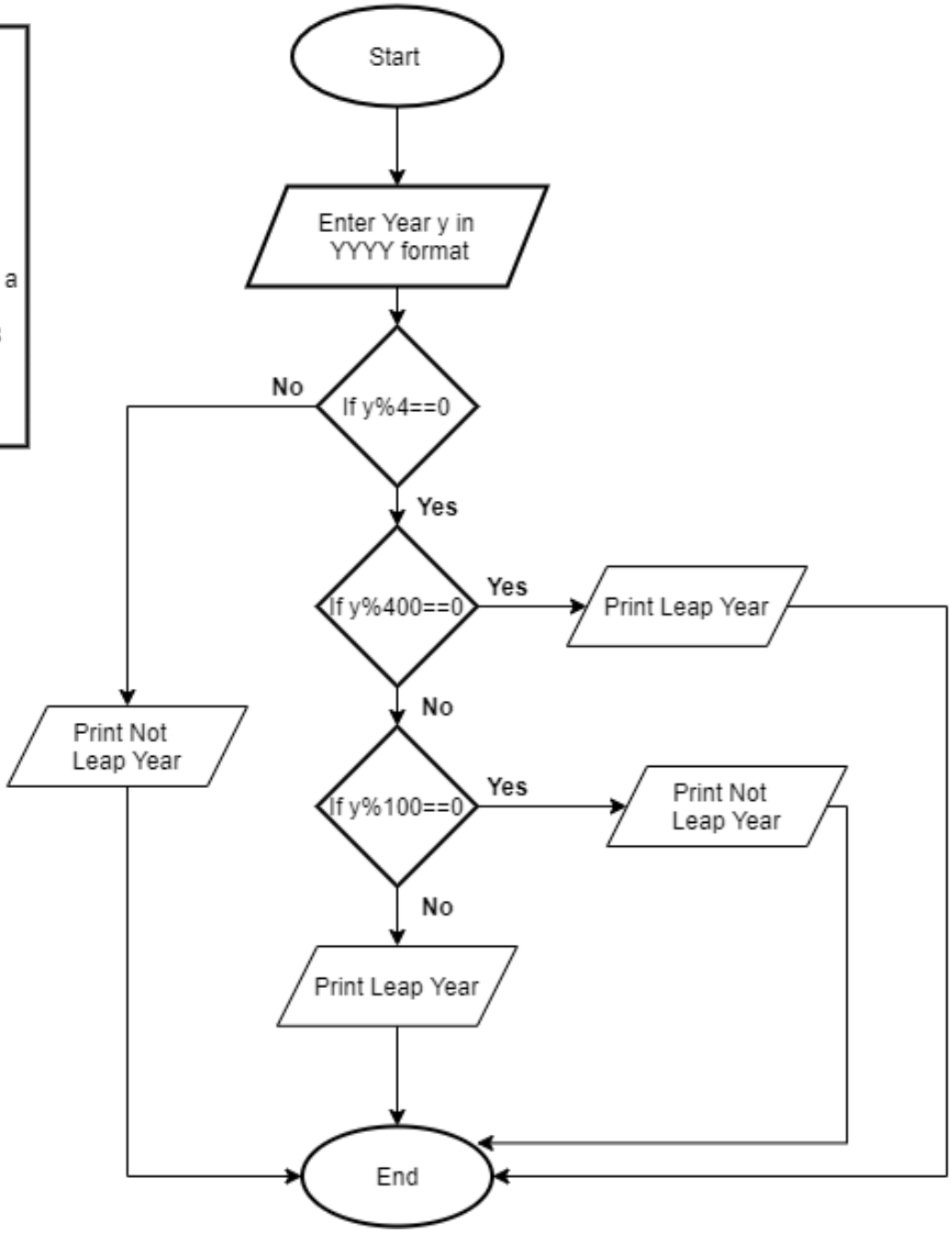
1. Start
2. Enter a No. n
3. Check n==0, if Yes, print entered no. is Zero, and goto 6
4. if n>0, Print Entered no. is Positive, goto 6
5.else, Print Entered no. is Negative.
6.End



Check For Leap Year

Algorithm

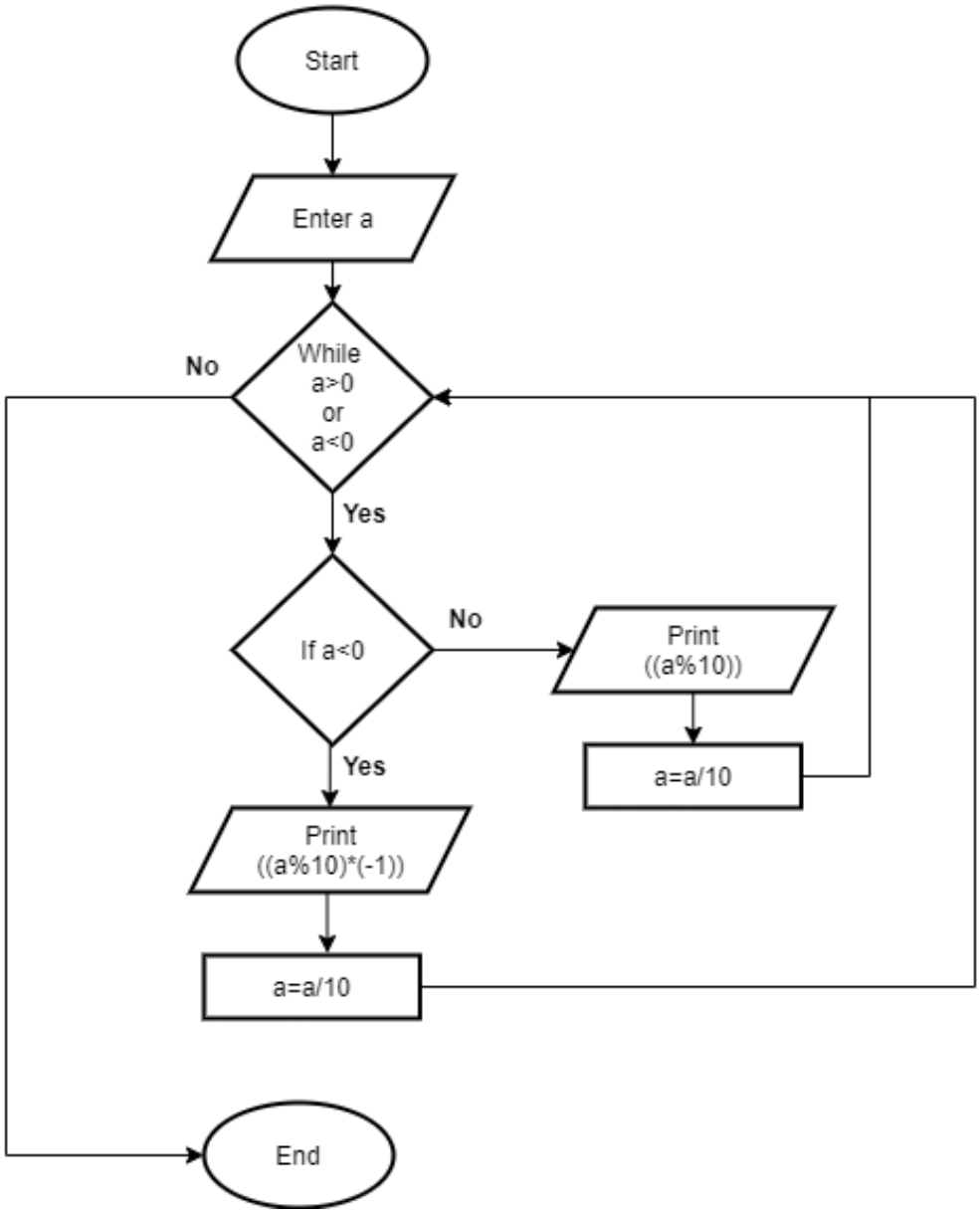
1. Start
2. Enter Year y in YYYY format
3. If y%4==0, goto 4 or goto 7
4.if (nested for 3) y%400==0, Print Leap year, goto 8
5. else if(for 4) y%100==0, Print Not a Leap Year, goto 8
6. else(for 4),Print Leap Year, goto 8
7.Print Not a Leap Year
8. End



Print Digits Of Given No.

Algorithm

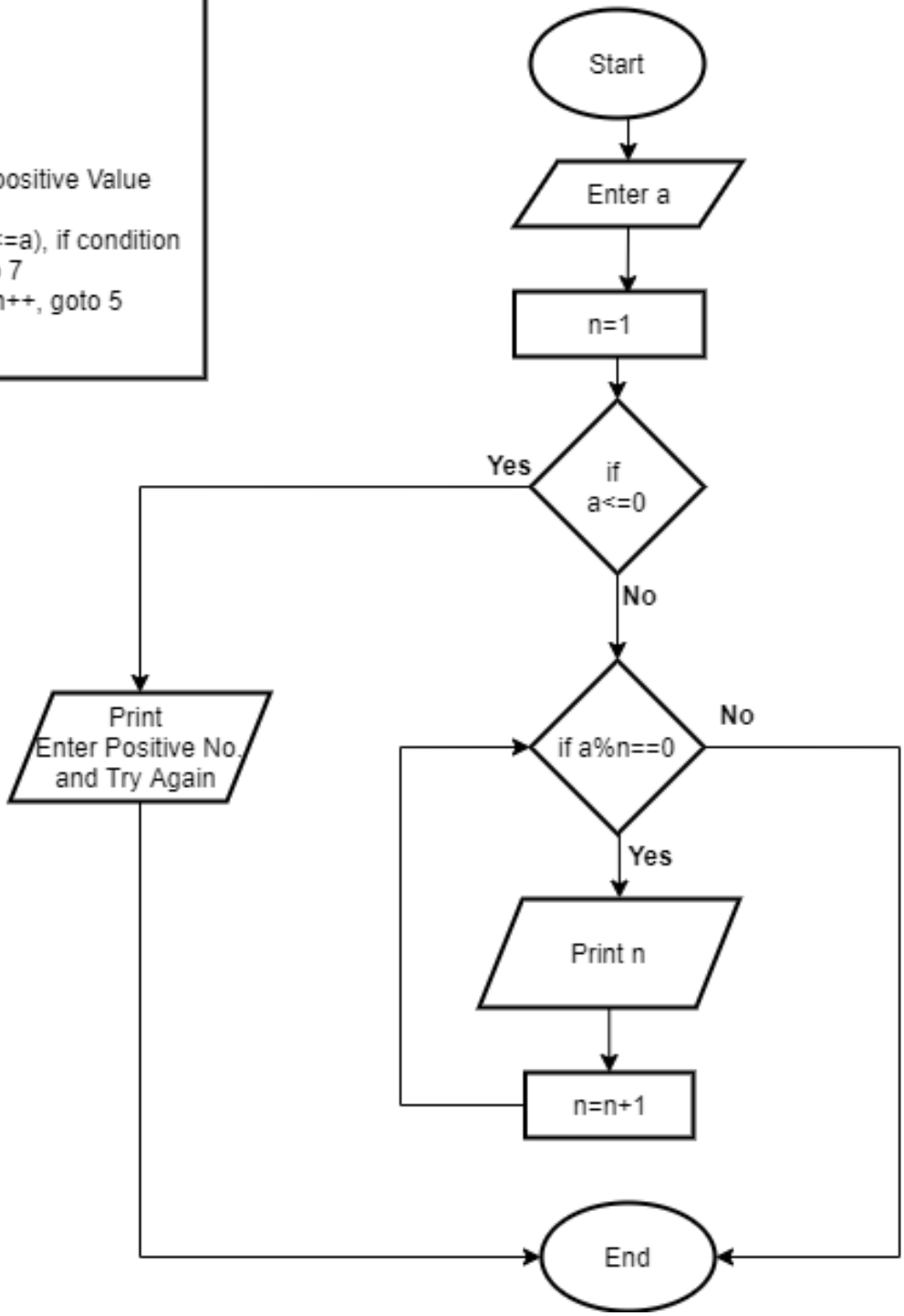
1.Start
2.Enter No. a
3.Enter While loop & check condition (a>0 or a<0) , if Satisfied go to step 4, else go 6
4. If No. is Negative, Print ((n%10)* (-1)), a=a/10, goto 3
5. Else(for 4) no. is positive , Print (n%10), a=a/10, goto 3
6.End



Find Factors of Given No.

Algorithm

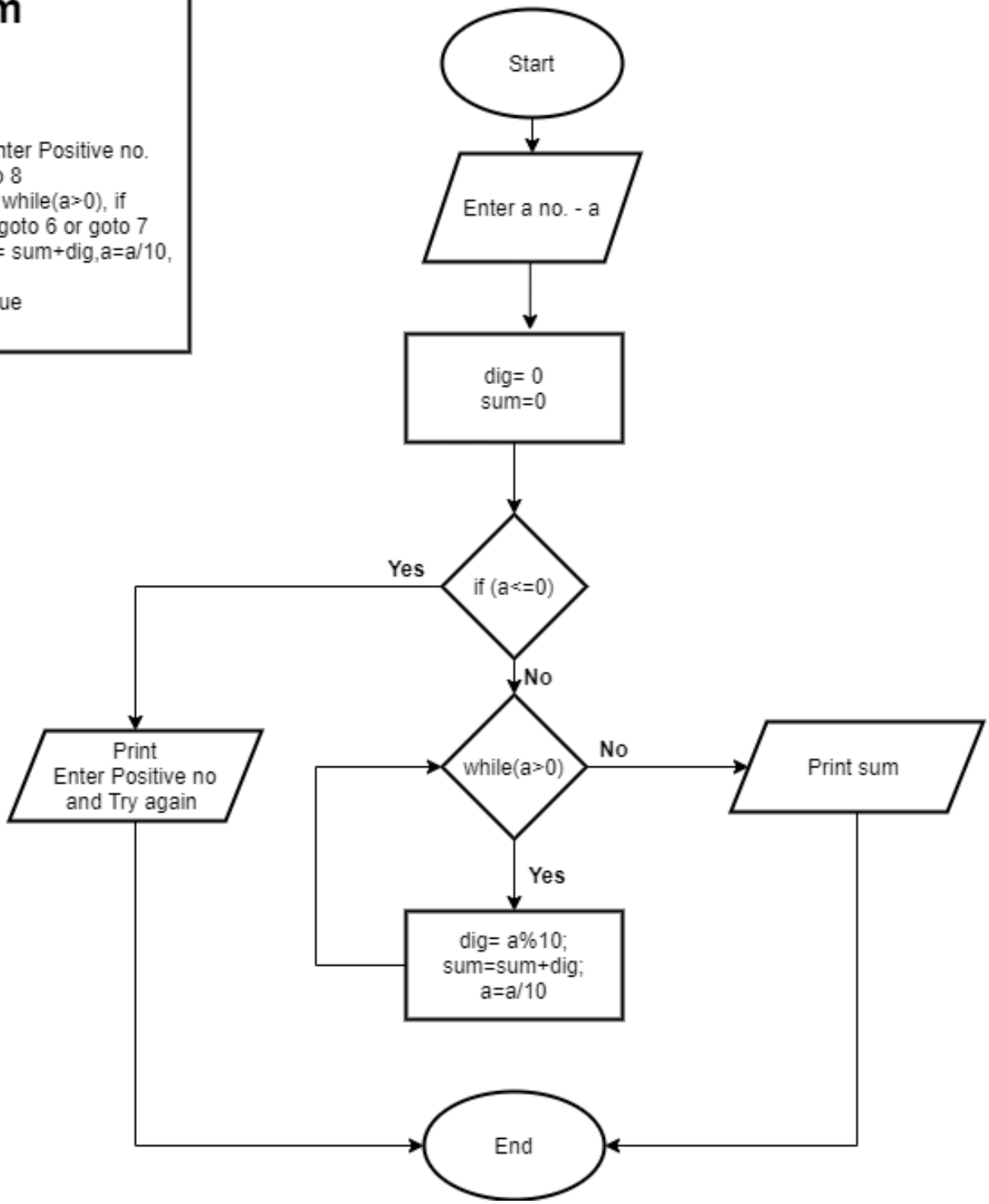
1.Start
2. Enter no - a
3. n=1
4.if a<=0 , Print Enter positive Value and Try again , goto 7
5.else , Enter while (n<=a), if condition satisfied goto 6 or goto 7
6.if(a%n==o), Print n, n++, goto 5
7. End



Sum of Digits of Entered No.

Algorithm

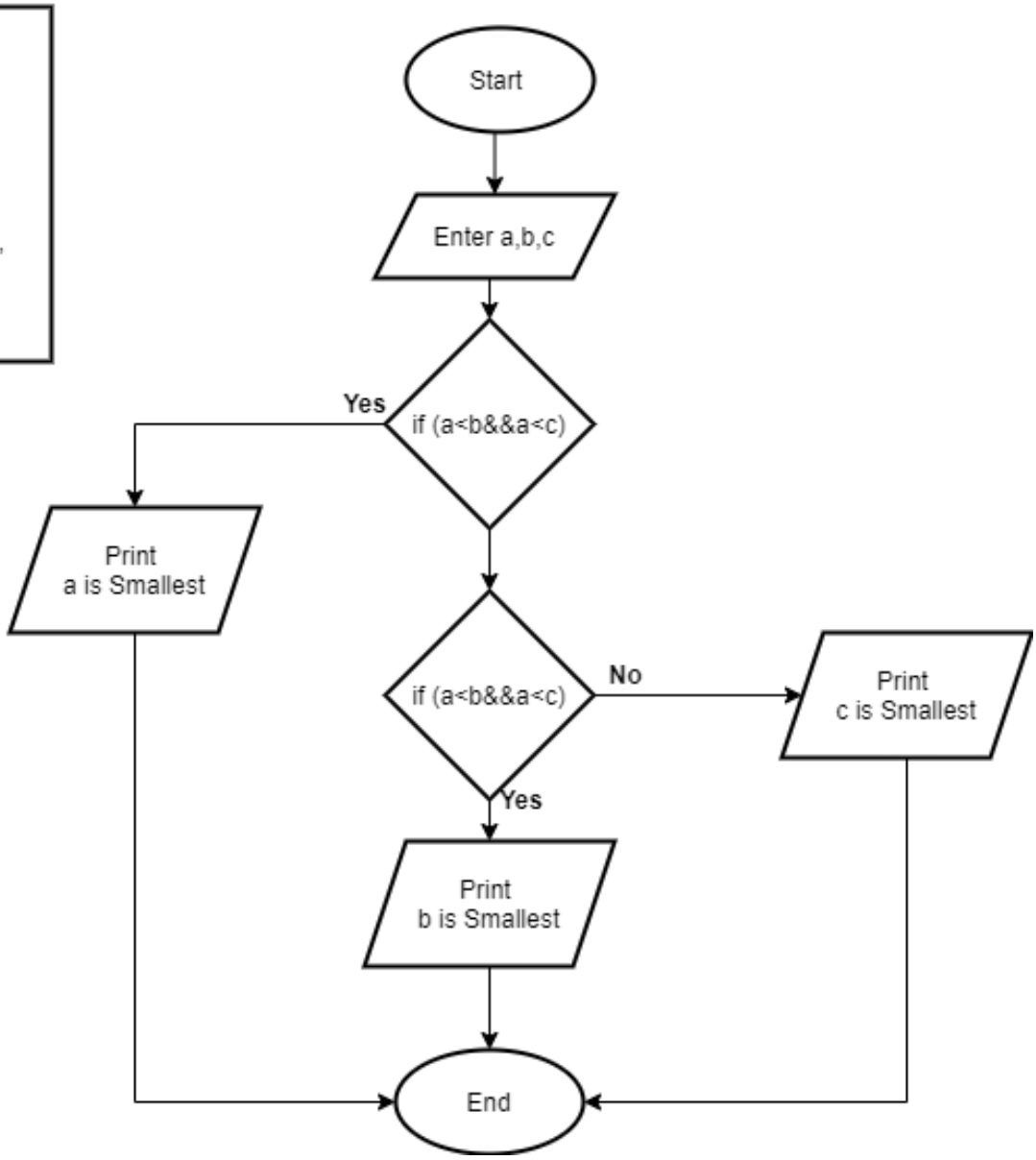
1. Start
2. Enter a No. - a
3. sum=0, dig=0
4.if (a<=0), Print Enter Positive no. and try again , goto 8
5.else(for 4), enter while(a>0), if condition satisfied goto 6 or goto 7
6. dig=a%10,sum = sum+dig,a=a/10, goto 5
7.Print the sum value
8.End



Smallest of Three No's

Algorithm

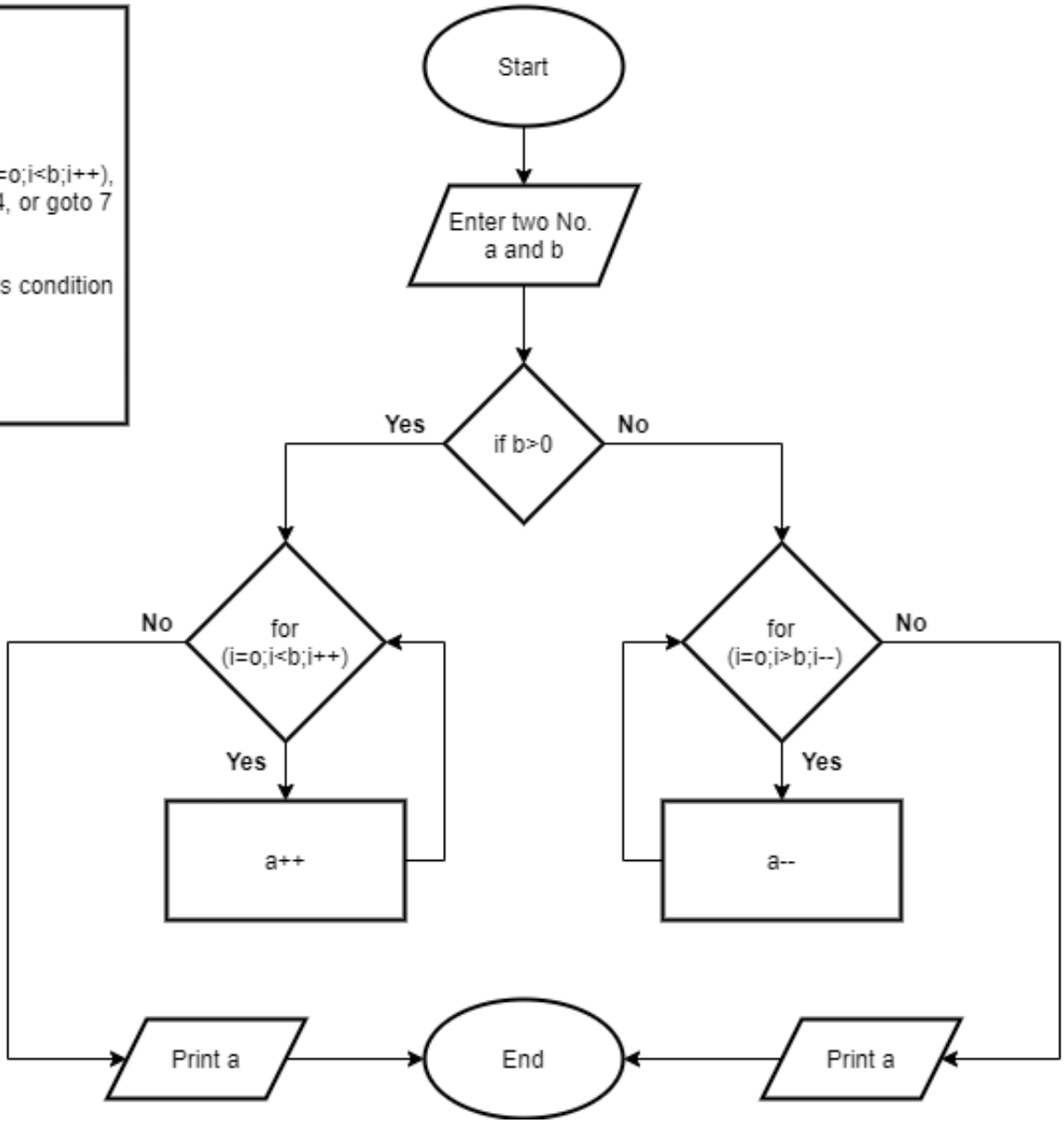
1. Start
2. Enter 3 No. a,b,c
3. If (a<b&&a<c), Print a is Small, goto 6
4. else if (b<c), Print b is smallest , goto 6
5.else , Print c is Smallest
6.End



Print Sum of Two No. without using arithmetic operations

Algorithm

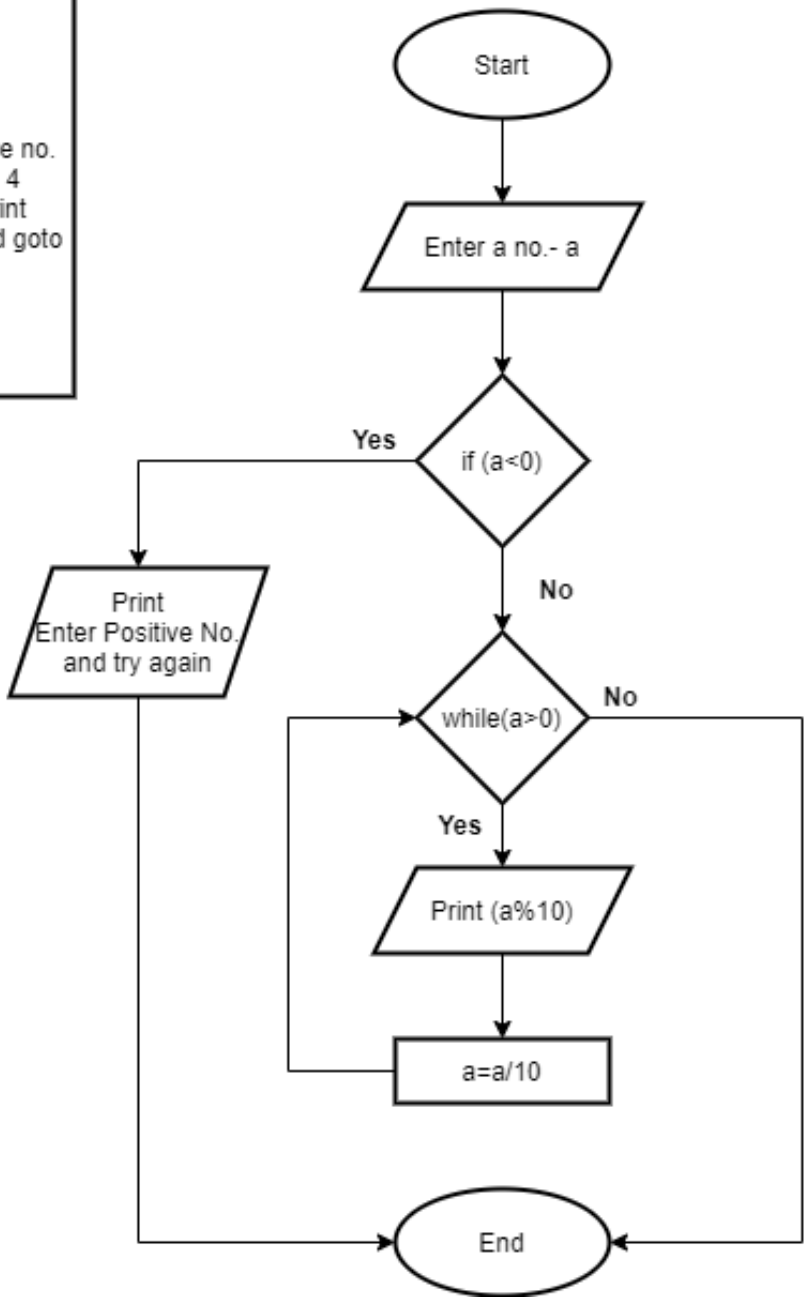
1. Start
2. Enter two no. a and b
3. if (b>0), enter for loop (i=o;i<b;i++), is condition satisfied goto 4, or goto 7
4. perform a++, goto 3
5.else(for 3),
enter for loop (i=o;i>b;i--), is condition satisfied goto 6, or goto 7
6. perform a--, goto 5
7. Print a (sum of two no,)
8. End



Enter Reverse of Entered No.

Algorithm

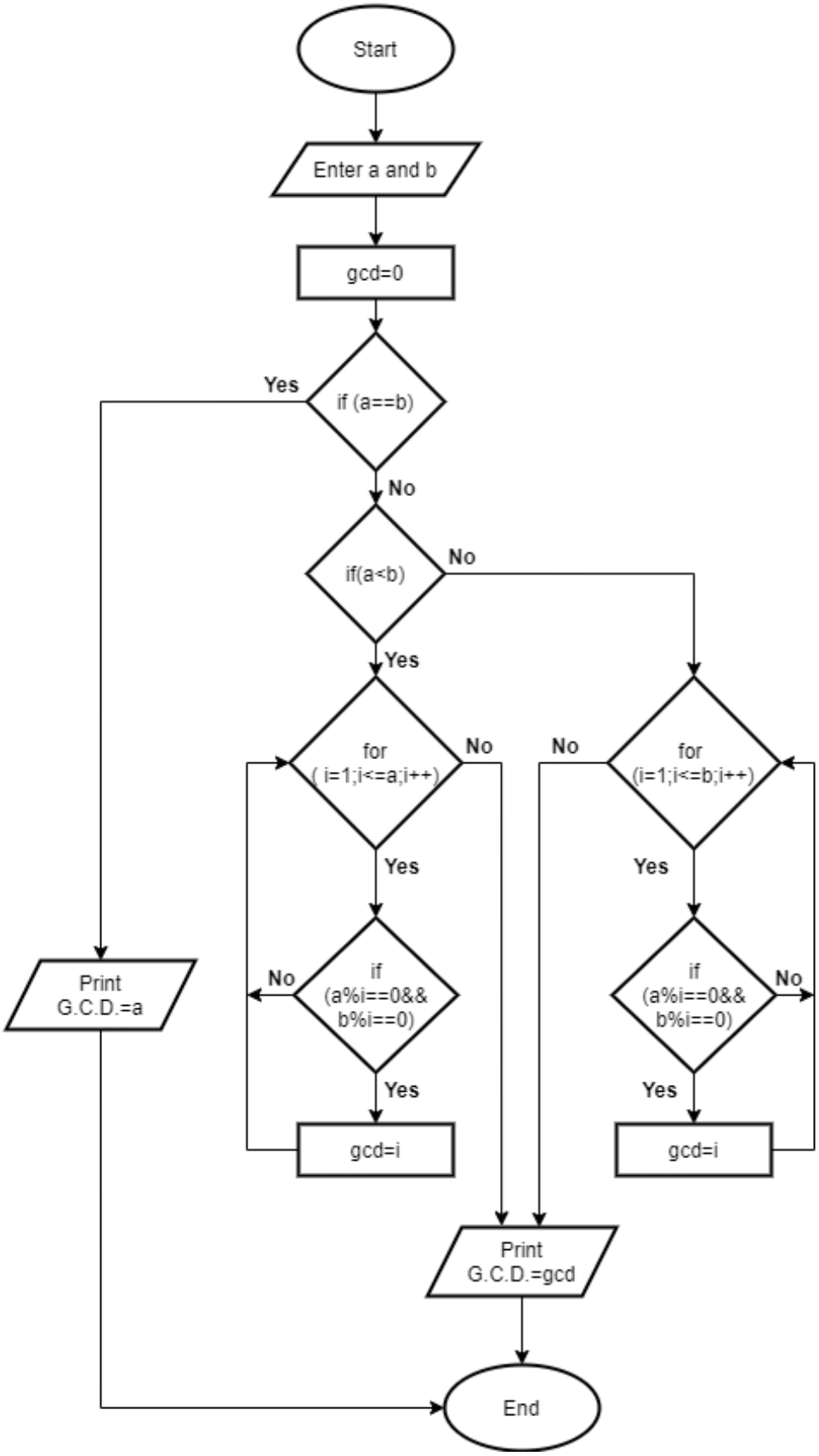
1.Start
2. Enter no. - a
3.If (a<0), Print Enter Positive no. and try again, goto 6 or goto 4
4. else , enter while(a>0), Print (a%10) , if condition satisfied goto 5 or goto 6
5. a=a/10, goto 4
6. End



Highest Common Factor - G.C.D.

Algorithm

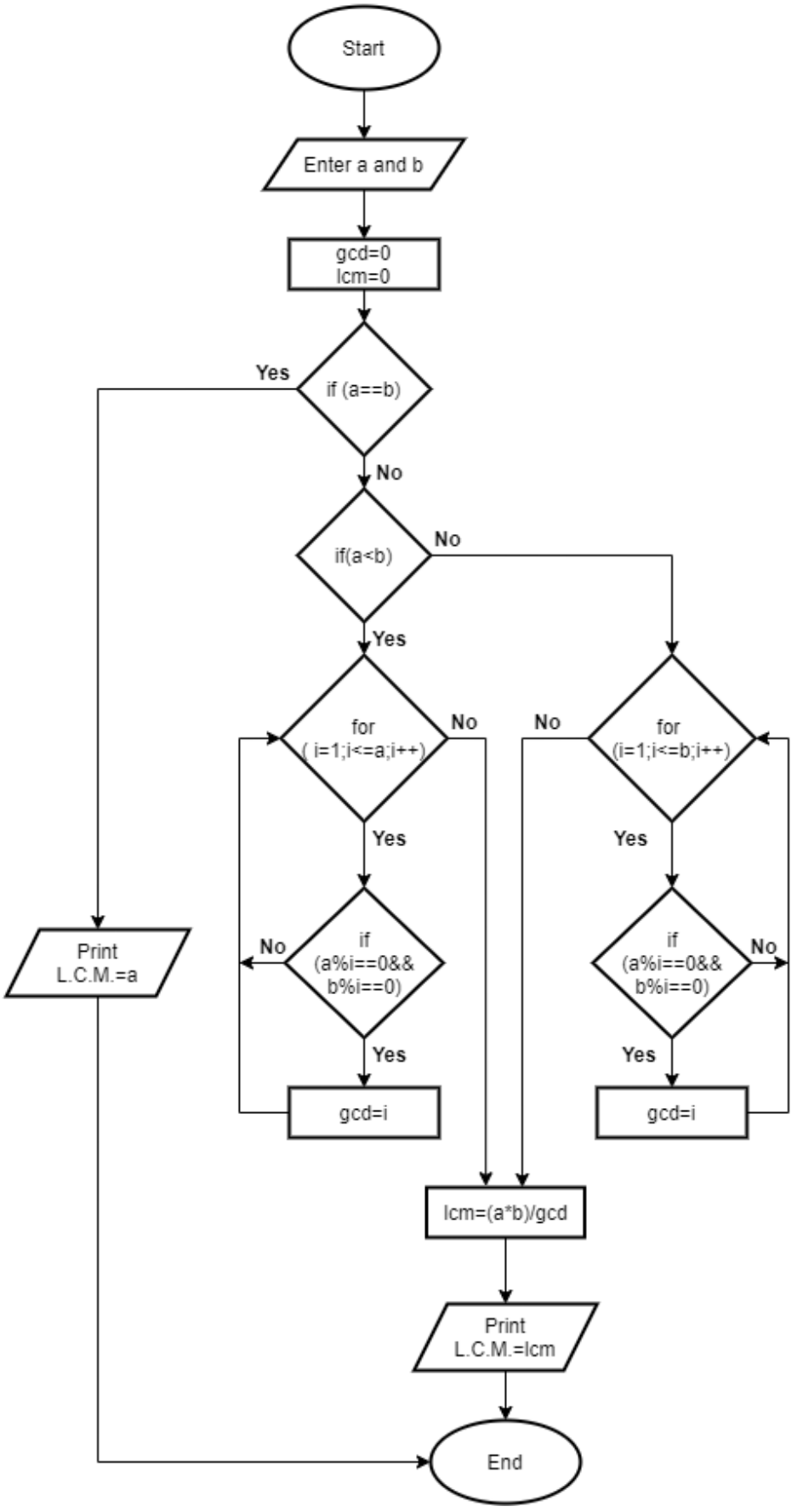
1.Start
2.Enter Two numbers a,b
3.gcd=0
4. if (a==b), print G.C.D.=a, if condition not satisfied goto 5.
5. else if(a<b),if confition satisfied enter for loop (i=1;i<=a;i++),and goto step 6 or goto step
6.if(a%i==0&&b%i==0), gcd=i, goto 5
7.Print gcd, goto 11
8. else(for5),enter for loop (i=1;i<=b;i++),and goto step 9 or goto step 10
9.if(a%i==0&&b%i==0), gcd=i, goto 8
10. Print gcd, goto 11
11. End



Lowest Common Multiple - LCM

Algorithm

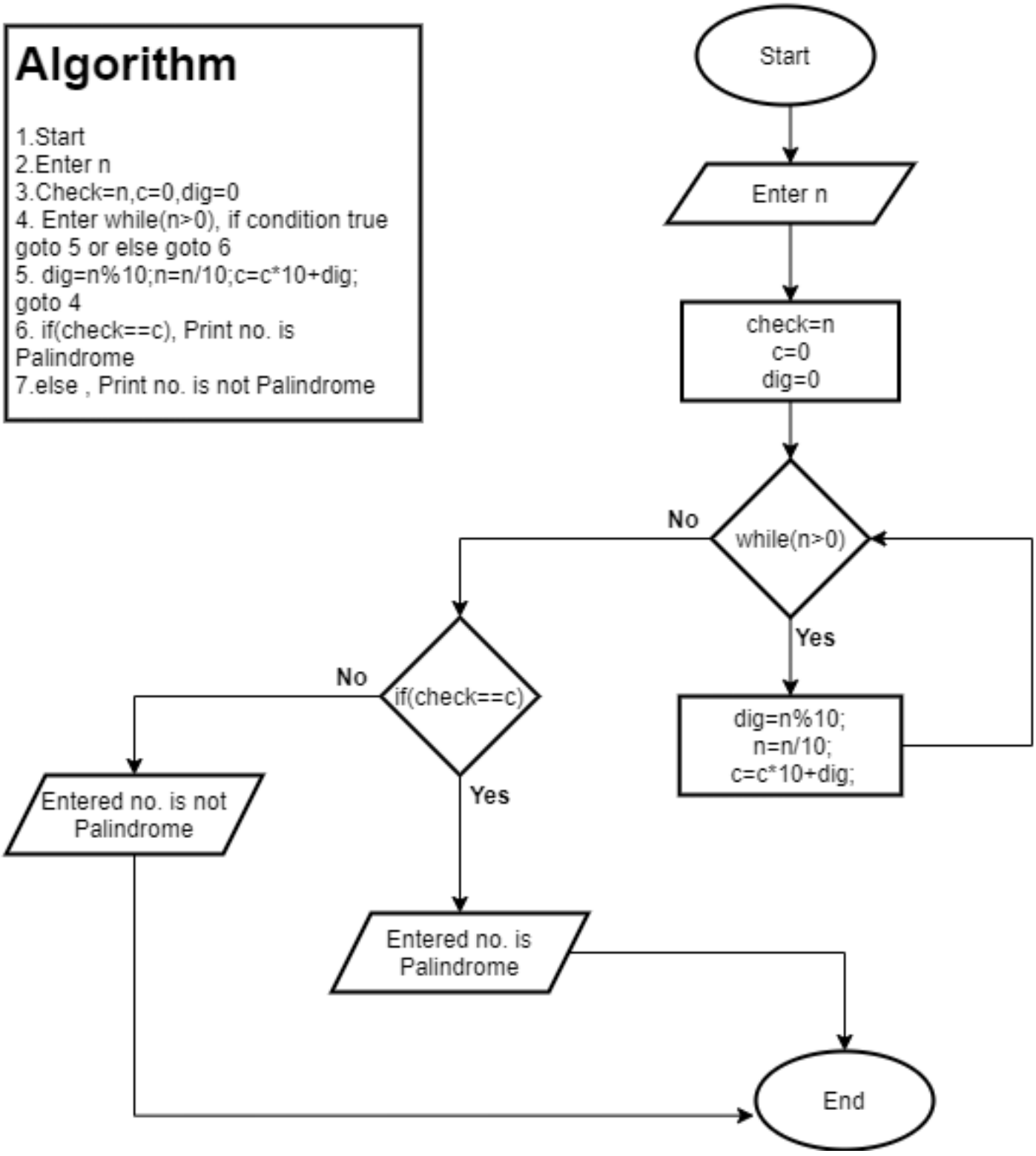
1.Start
2.Enter Two numbers a,b
3.gcd=0,lcm=0
4. if (a==b), print G.C.D.=a, if condition not satisfied goto 5.
5. else if(a<b),if confition satisfied enter for loop (i=1;i<=a;i++),and goto step 6 or goto step
6.if(a%i==0&&b%i==0), gcd=i, goto 5
7.Print gcd, goto 11
8. else(for5),enter for loop (i=1;i<=b;i++),and goto step 9 or goto step 10
9.if(a%i==0&&b%i==0), gcd=i, goto 8
10. lcm=(a*b)/gcd
11.Print L.C.M.
12. End



Check No. for Palindrome

Algorithm

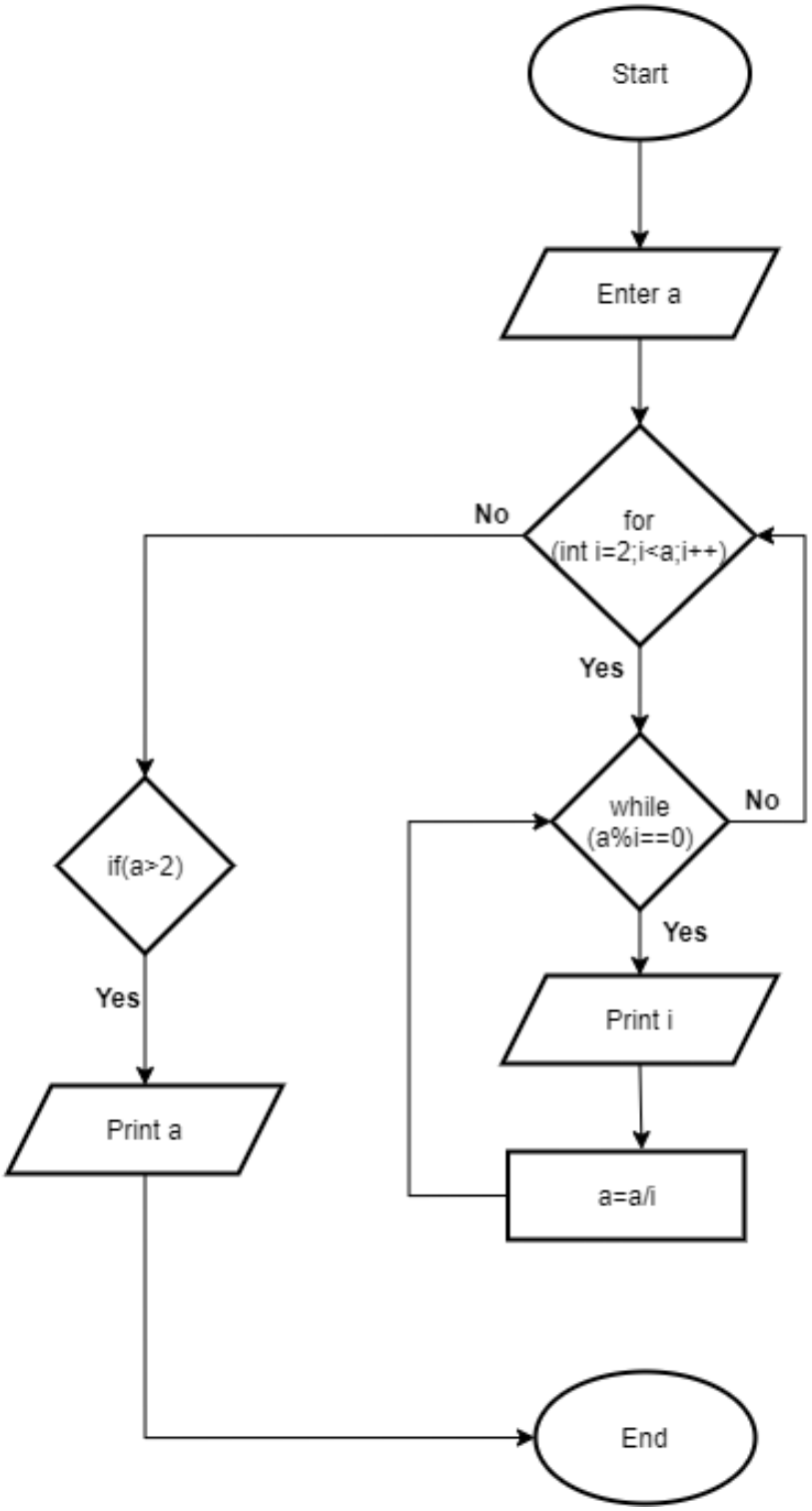
1.Start
2.Enter n
3.Check=n,c=0,dig=0
4. Enter while(n>0), if condition true goto 5 or else goto 6
5. dig=n%10;n=n/10;c=c*10+dig; goto 4
6. if(check==c), Print no. is Palindrome
7.else , Print no. is not Palindrome



Prime Factor of Given No.

Algorithm

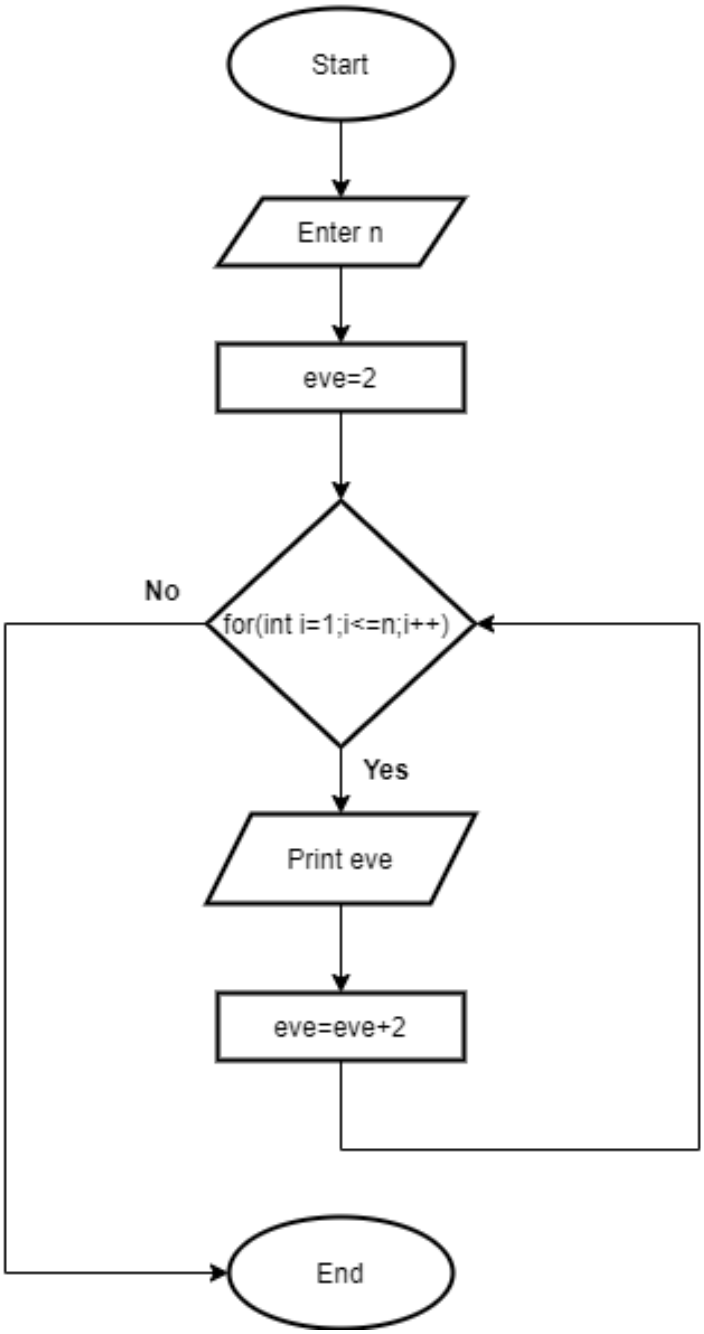
1.Start
2.Enter Positive No. - a
3.Enter for(int i=2;i<a;i++), if condition is true goto 4 or goto 6
4.while(a%i==0) , if condition true,Print i, and goto 5 if condition false goto
5.a=a/i and goto 3
6. if(a>2), Print a
7.End



Print Even Series Upto n no.

Algorithm

1.Start
2.Enter n value
3.eve=2
4. enter for(int i=1;i<=n;i++) , if condition true goto 5 or else goto 6
5.Print eve, eve=eve+2, goto 4
6.End



Print Odd Series Upto n no.

Algorithm

1.Start
2.Enter n value
3.odd=1
4. enter for(int i=1;i<=n;i++) , if condition true goto 5 or else goto 6
5.Print odd, odd=odd+2, goto 4
6.End