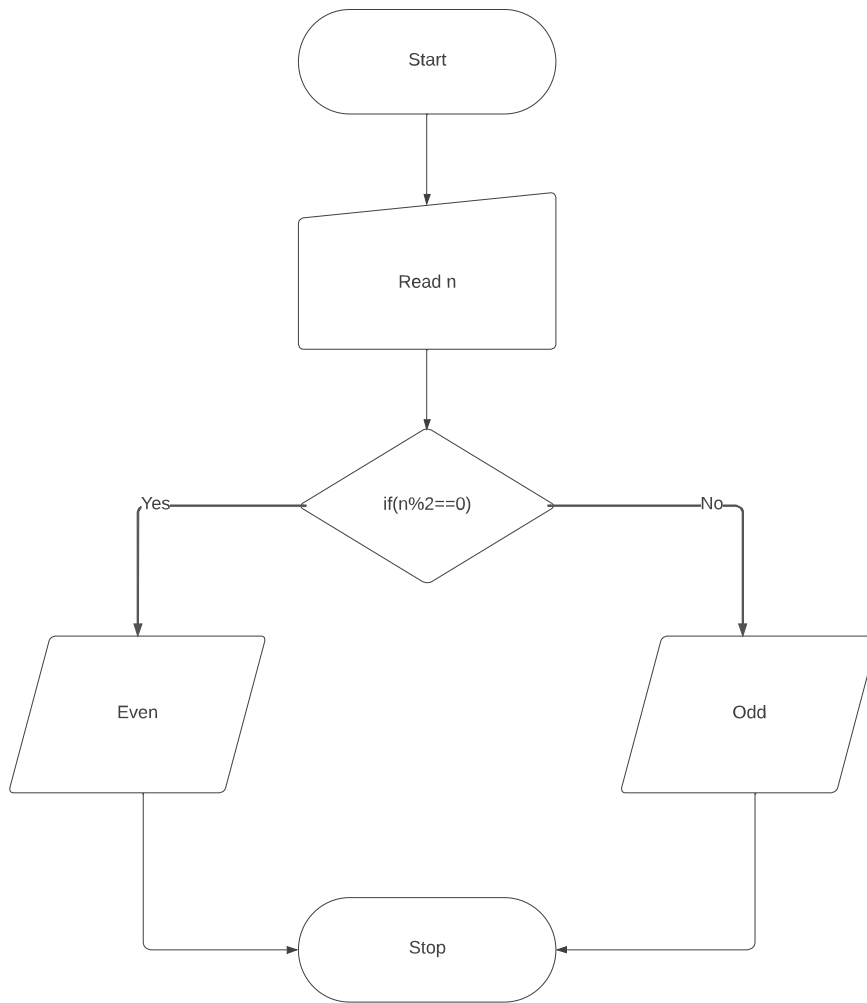
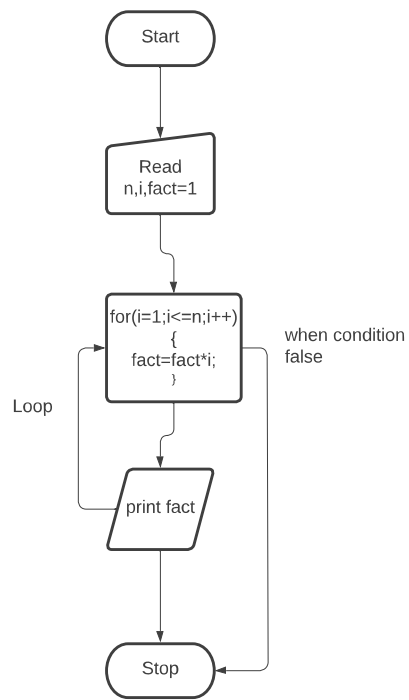


Check if the given number is EVEN or ODD.



1. Read n
2. if(n%2==0)
3. if yes=even
no=odd

Write a java program to find the factorial of a given number.



1)Take input n as int.(check weather given number is int if not end)

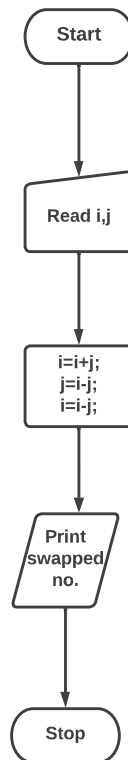
2) F variable as a factorial.

3) $F = n * (n-1)$

4)check $i \leq n$.(If no go to step 3 else continue)

5)print F .

Swap two numbers without using the third variable approach



1.Read i,j

2.Swap number using addition operator

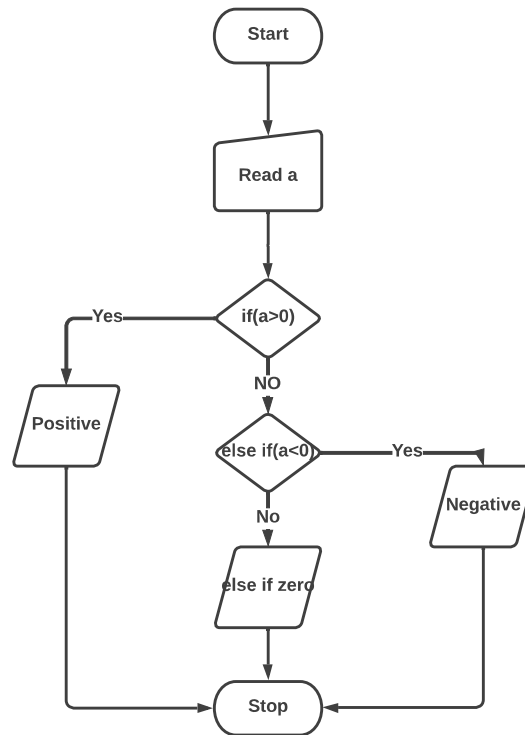
```
i=i+j;
```

```
j=i-j;
```

```
j=j+i;
```

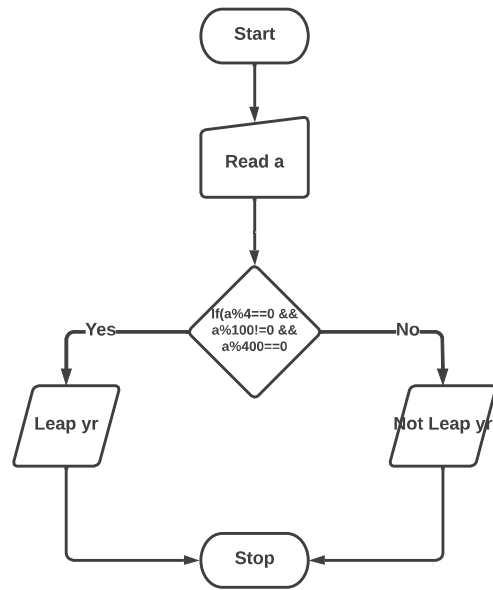
3.Print Swapped number

How to check wheather the given number is Positive or Negative in java.



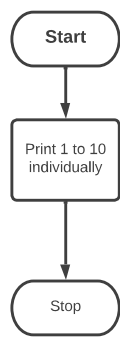
1. read number=a
- 2.check if(a>0)
 - if yes then Positive
 - if no go to step 3
- 3.check if(a<0)
 - if yes then Negative
 - if no go to step 4
- 4.if step 2 and step 3 is false that means a is zero

Write a java program to find wheather a given number is leap year or not



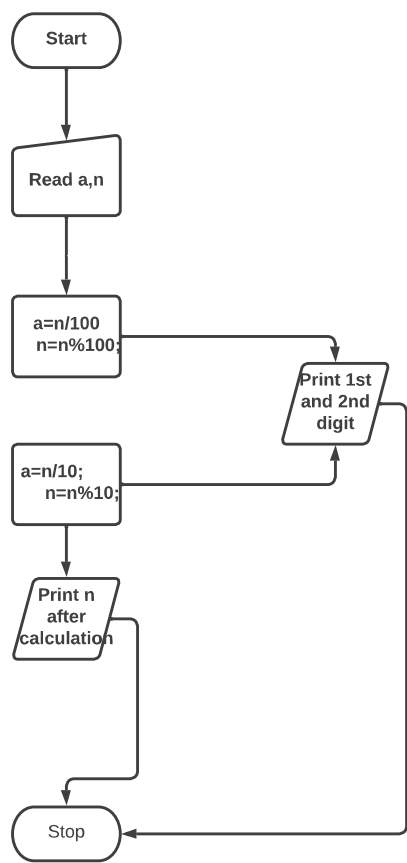
- 1, Read a
2. if $a \% 4 == 0$ && $a \% 100 != 0$ && $a \% 400 == 0$
if true--> leap yr
if no ---> Not leap yr

Write a java program to print 1 to 10 without using loop.



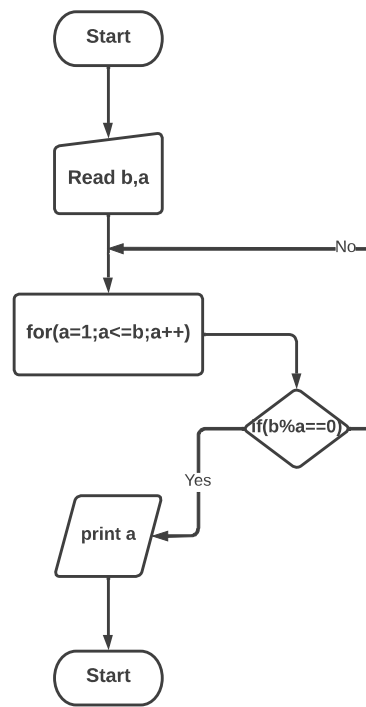
1. Print 1 to 10 .

Write a java program to print the digits of a given number



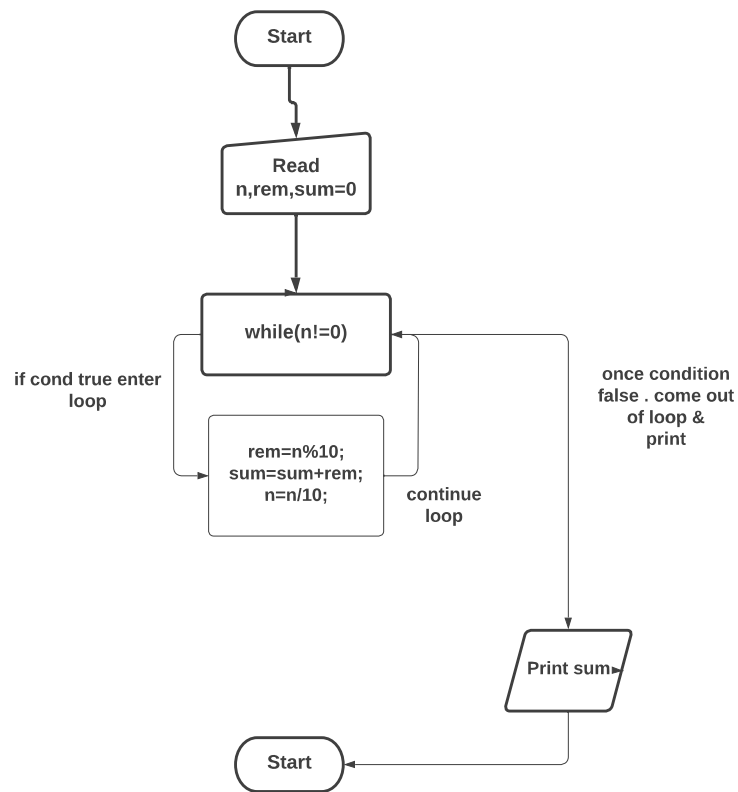
```
1.Read 3 digit number
2.a=n/100;
  n=n%100;
  print a
3. a=n/10;
  n=n%10;
  print a
4.print n i.e 3rd digit
```

Write a java program to print all the factors of the given number



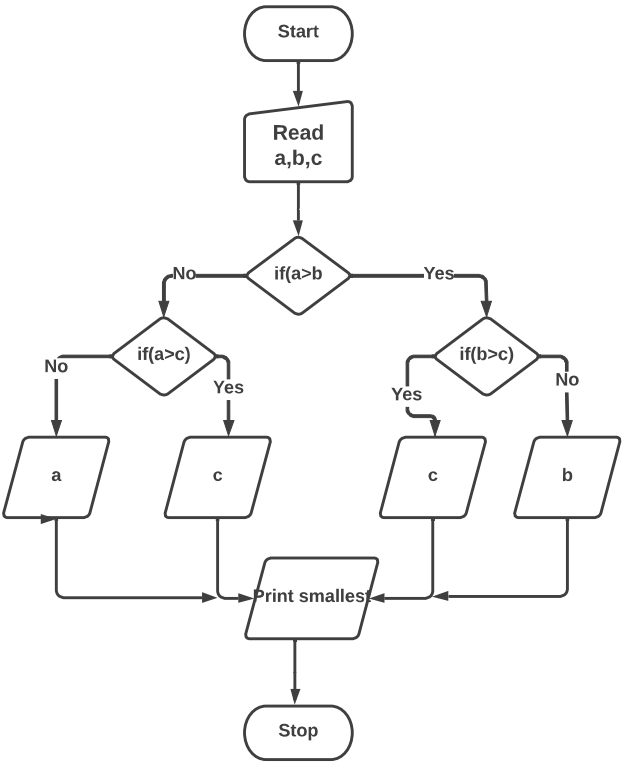
1. Read a,b
2. for(a=1;a<=b;a++)
if true enter loop
4. if(b%a==0)
yes then print a
no then repeat step 2
5. continue until condition satisfy.

Write a java program to find the sum of the digits of a given number



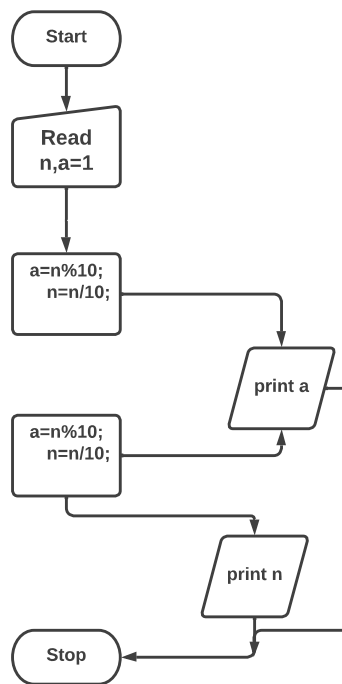
1. Read n, rem, sum=0
2. while(n!=0)
3. while cond true enter loop and repeat step 2
4. while cond false comeout of loop
5. print sum

Write a java program to find the smallest of 3 number a,b,c



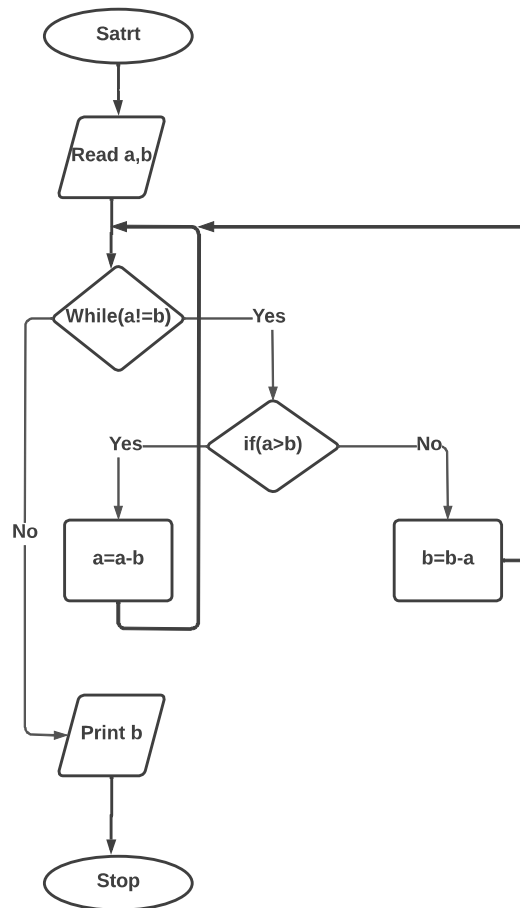
- 1.read a,b,c
- 2.if(a>b) yes step 3; no step 4
- 3.if(b>c) yes c; no b
- 4.if(a>c) yes c; no a
- 5.print smallest number

Write a java program to reverse a given number



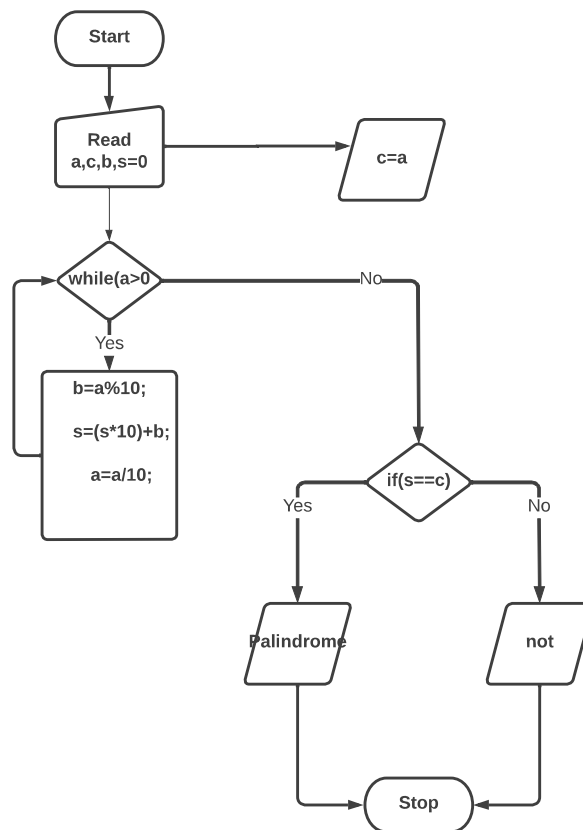
1. Read n,a=1;
2. a=n%10; n=n/10;
3. print a
4. repeat step 2
5. print a
6. print n
7. stop

Write a java program to find the GCD of two given number



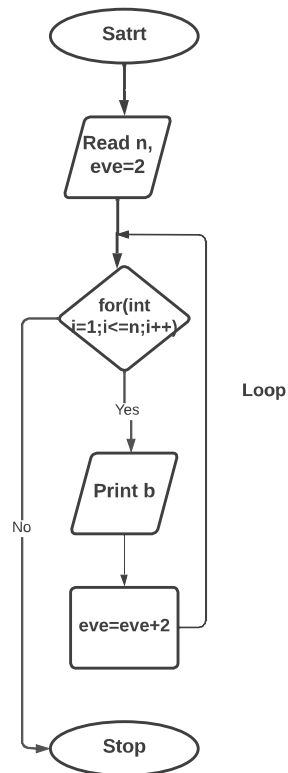
1. Read a,b;
2. using while loop while(a!=b)
3. if step 2 condition true then if statement is executed-- yes then step 4 else step 5
4. a=a-b
5. b=b-a
6. repeat loop until while condition is false
7. print b(GCD using differential method)

Write a java program to check palindrome or NOT



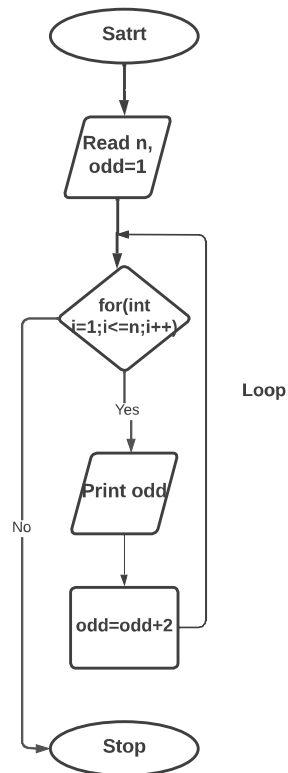
1. read a,c,b,s=0
2. store a in temp variable c.
3. while(a>0) yes then step 4
4. b=a%10; s=(s*10)+b; a=a/10;
5. if(s==c) yes palindrome; no Not palindrome
6. stop

To print the following series EVEN number series 2 4 6 8 10 12 14 16.....



1. Read n
2. initialize int eve =2;
3. for(int i=1;i<=n;i++) if for condition is true enter loop
4. print eve
5. calculate eve=eve+2
6. step 3
7. after condition false stop.

To print the following series ODD number series 1 3 5 7 9 11 13.....



1. Read n
2. initialize int odd =1;
3. for(int i=1;i<=n;i++) if for condition is true enter loop
4. print odd
5. calculate odd=odd+2
6. step 3
7. after condition false stop.