java intermediate coding experience

import java.util.Scanner;  
public class Main {  
 public static void main(String[] args) {  
 ---------even or odd numbers----------  
 Scanner sc=new Scanner (System.in);  
 System.out.println("enter num:");  
 int a=sc.nextInt();  
 if(a%2==0)  
 {  
 System.out.println(a+"the num is even");  
 }  
 else  
 {  
 System.out.println(a+"the num is odd");  
 }  
  
 -------Fibannoci series-------  
 int n = 10;  
 int n1 = 0;  
 int n2 = 1;  
 System.out.println("Fibonacci Series till " + n + " terms:");  
 for (int i = 1; i <= n; ++i) {  
 System.out.print(n1 + " ");  
 int n3 = n1 + n2;  
 n1 = n2;  
 n2 = n3;  
 }  
  
 ---------swap two numbers without temp variable----------  
 int a = 20;  
 int b = 10;  
 System.out.println("Before swapping:"+" a = "+ a +", "+"b = "+ b);  
 a = a + b; // a = 20 + 10 = 30  
 b = a - b; // b = 30 - 10 = 20  
 a = a - b; // a = 30 - 20 = 10  
 System.out.println("After swapping:"+" a = "+ a +", "+"b = "+ b);  
  
  
 --------Fcatorial numbers----------  
 int a=5;  
 int fact=1;  
 for(int i=1;i<=a;i++)  
 {  
 fact=fact\*i;  
  
 }  
 System.out.println("The factorial of 5 is:"+ fact);  
  
 --------Total sum of numbers--------  
 int a=5;  
 int sum=0;  
 for(int i=1;i<=a;i++)  
 {  
 sum=sum+i;  
  
 }  
 System.out.println("The factorial of 5 is:"+ sum);  
  
 ---------Reverse a number----------  
 int num=987;  
 int rev=0;  
 int lastd;  
 while(num>0)  
 {  
 lastd=num%10;  
 rev=rev\*10+lastd;  
 num=num/10;  
  
 }  
 System.out.println("the reversed number is:"+rev);  
  
  
 ---------palindrome---------  
 int num=100;  
 int rev=0;  
 int lastd;  
 int temp=num;  
 while(num>0)  
 {  
 lastd=num%10;  
 rev=rev\*10+lastd;  
 num=num/10;  
  
 }  
 System.out.println("the reversed number is:"+rev);  
  
 if(temp == rev)  
 {  
 System.out.println("it is a palindrome");  
  
 }  
 else  
 {  
 System.out.println("it is not a palindrome");  
 }  
  
  
  
 -----------Armstrong number---------  
 int a=153;  
 int rem=0;  
 int sum=0;  
 int temp=a;  
 while(a>0)  
 {  
 rem=a%10;  
 sum=sum+rem\*rem\*rem;  
 a=a/10;  
  
 }  
 if(temp == sum)  
 {  
 System.out.println("it is a armstrong num");  
  
 }  
 else  
 {  
 System.out.println("it is not a armstrong num");  
 }  
  
  
  
 --------n natural numbers---------  
 int n=50;  
 int i;  
 i=1;  
 while(i<=n)  
 {  
 System.out.print(i+" ");  
 i++;  
  
 }  
  
  
 --------String reverse and palindrome----------  
 Scanner sc=new Scanner(System.in);  
 System.out.println("Enter a word:");  
 String og=sc.nextLine();  
 String rev="";  
  
 for(int i=0;i<og.length(); i++)  
 {  
 rev= og.charAt(i)+rev;  
 }  
 System.out.println("the reversed word is:"+rev);  
  
 if(og.equals(rev))  
 {  
 System.out.println("it is a palindrome");  
 }  
 else {  
 System.out.println("it is not a palindrome");  
 }  
  
  
 ------------prime numbers------------  
 Scanner sc=new Scanner(System.in);  
 int a=sc.nextInt();  
 int count=0;  
 for(int i=1;i<=a;i++)  
 {  
 if(a%i==0)  
 count++;  
 }  
 if(count==2)  
 {  
 System.out.println("prime numbers");  
 }  
 else  
 {  
 System.out.println("not prime number");  
 }  
  
 --------number of digits in given number-------  
 int n=9876;  
 int c=0;  
 while(n>0)  
 {  
 n=n/10;  
 c=c+1;  
 }  
 System.out.println(c);  
  
  
 ---------number of digits should find number is odd or even---------  
 int n=987;  
 int e=0;  
 int o=0;  
 while(n>0){  
 int n1=n%10;  
 if(n1%2==0){ //987%10= 7. n1=7. 7%2==false. 0+7=7. 987/10=98  
 e++;  
 }  
 else{  
 o++;  
 }  
 n=n/10;  
 }  
 System.out.println("even"+e);  
 System.out.println("odd"+o);  
  
  
 --------reverse each word in string------  
 String line="welcome to java";  
 String[] arr=line.split(" ");  
 for(String s:arr)  
 {  
 for(int i=s.length()-1;i>=0;i--)  
 {  
 System.out.print(s.charAt(i));  
 }  
 }  
 System.out.print(" ");  
  
  
 ------output string from given string------  
 String s="x3y1z5";  
 for(int i=0;i<s.length();i=i+2)  
 {  
 char c1=s.charAt(i);  
 char c2=s.charAt(i+1);  
 int n= (int) (c2-48);  
 for(int j=1;j<=n;j++)  
 {  
 System.out.println(c1);  
 }  
 }  
  
 ------perfect number-------  
 Scanner sc=new Scanner(System.in);  
 System.out.println("enter a num:");  
 int a=sc.nextInt();  
 int c=0;  
 for(int i=1;i<a;i++)  
 {  
 if(a%i==0)  
 {  
 c=c+i;  
 }  
 }  
 if(c==a)  
 {  
 System.out.println("p");  
 }  
 else  
 {  
 System.out.println("np");  
 }  
 ------even num count and sum---------  
 int n=23456789;  
 int s=0;  
 int c=0;  
 while(n>0)  
 {  
 int d=n%10;  
 if(d%2==0)  
 {  
 s=d+s;  
 System.out.println("even num:"+d);  
 c++;  
  
 }  
 n=n/10;  
 }  
 System.out.println("sum:"+s);  
 System.out.println("count:"+c);  
  
----------first and last digit in given number-----  
 int n=2348;  
 System.out.println(n%10);  
 while(n>0)  
 {  
 n=n/10;  
  
 }  
 System.out.println(n);  
  
  
  
  
 }  
}