Write a Java program to creat Student class with data fields: name, usn, sem, and 3 subject marks. Write test class to create objects of Student class and display details and result.

class Student  
{  
 String name;  
 String usn;  
 int sem;  
 double m1,m2,m3;  
 Student()  
 {  
 name="IC";  
 usn ="00";  
 sem = 3;  
 m1=m2=m3=0;   
 }   
   
 Student(String name, String usn, int sem, double m1,double m2,double m3)  
 {  
 this.name= name;  
 this.usn = usn;  
 this.sem = sem ;  
 this.m1=m1; this.m2=m2; this.m3=m3;   
 }   
 void display()  
 {  
 System.out.println("Name ="+name);  
 System.out.println("USN ="+usn);  
 System.out.println("Sem ="+sem);  
 System.out.println("M1 = "+m1+" M2 = "+m2+" M3 = "+m3);  
 }  
 void printResult()  
 { double sum, avg;  
 if(m1 < 35 || m2 < 35 || m3 < 35 )   
 {  
 System.out.println(" fail "); return;  
 }  
 sum=m1+m2+m3;  
 avg=sum/3;  
 String result;  
 if(avg>=75)  
 result="FCD";  
 else if(avg>=60)  
 result="FC";  
 else if(avg>=50)  
 result="SC";  
 else  
 result="Pass";  
   
 System.out.println("Result="+result);  
 }  
}  
  
class TestStudent  
{  
 public static void main(String[] args)  
 {  
 Student s1 = new Student();  
 s1.display();  
 s1.printResult();  
 Student s2 = new Student("Amar","1KS22IC001", 3,67,90,89);  
 s2.display();  
 s2.printResult();  
 }  
}