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Q5 :- Write a java program for Constructor overloading

```
import java.util.Scanner;

class overload{
    int num1,num2,num3,num4;
    overload(){
        System.out.println("Default Constrccter by o1");
    }
    overload(int num1,int num2){
        System.out.println("by o2:- "+(num1+num2));
    }
    overload(int num1,int num2,int num3){
        System.out.println("by o3:- "+(num1+num2+num3));
    }
    overload(int num1,int num2,int num3,int num4){
        System.out.println("by o4:- "+(num1+num2+num3+num4));
    }
}

public class constrcter_overloading {
    public static void main(String[] args) {
        int num1,num2,num3,num4;
        Scanner sc= new Scanner(System.in);
        System.out.println("Enter 4 numbers");
        num1=sc.nextInt();
        num2=sc.nextInt();
        num3=sc.nextInt();
        num4=sc.nextInt();
        overload o1=new overload();
        overload o2=new overload(num1 ,num2);
        overload o3 = new overload(num1 ,num2,num3);
        overload o4 = new overload (num1 ,num2,num3,num4);}}}
```

Output: -

```
D:\JAVA>javac constrcter_overloading.java

D:\JAVA>java constrcter_overloading
Enter 4 numbers
1
2
3
4
Default Constrccter by o1
by o2:- 3
by o3:- 6
by o4:- 10

D:\JAVA>
```